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BASIC PRESSURE MEASUREMENTS AT TRANSONIC SPEEDS ON A THIN 45° SWEPTBACK HIGHLY TAPERED WING WITH SYSTEMATIC SPANWISE TWIST VARIATIONS

WING WITH LINEAR SPANWISE TWIST VARIATION

By John P. Mugler, Jr.

Langley Research Center
Langley Field, Va.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WASHINGTON
January 1959

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SUMMARY

Pressure distributions obtained in the Langley 8-foot transonic pressure tunnel on a thin, highly tapered, twisted, 45° sweptback wing in combination with a body are presented. The wing has a linear spanwise twist variation from 0° at 10 percent of the semispan to 6° at the tip. The tip is at a lower angle of attack than the root. Tests were made at stagnation pressures of 1.0 and 0.5 atmosphere, at Mach numbers from 0.800 to 1.200, and at angles of attack from -4° to 12°.

INTRODUCTION

A research program has been conducted at the Langley Research Center to determine the loads due to wing twist at transonic and supersonic speeds. As part of this program, tests have been made in the Langley 8-foot transonic pressure tunnel on four wings; an untwisted wing to serve as a reference, and wings with linear, quadratic, and cubic variations of twist across the span. Reference 1 presents the basic pressure measurements on the untwisted wing at transonic speeds. The present paper presents the basic pressure measurements on the wing with a linear variation of twist across the span. These data are being presented without analysis.

SYMBOLS

b	wing span
$b'/2$	unsupported semispan (distance from outer face of wing mounting block to tip)
c	airfoil section chord, measured parallel to plane of symmetry
$\bar{c}$	wing mean aerodynamic chord
c_m	wing section pitching-moment coefficient about 0.25c, $\int_0^1 \left(C_{p,L} - C_{p,U}\right)\left(0.25 - \frac{x}{c}\right)d(x/c)$
c_n	wing section normal-force coefficient, $\int_0^1 \left(C_{p,L} - C_{p,U}\right)d(x/c)$
C_p	pressure coefficient
$C_{p,sonic}$	pressure coefficient corresponding to local Mach number of 1.0
D	diameter
l	body length
M	Mach number
q	free-stream dynamic pressure
R	Reynolds number based on $\bar{c}$
x	distance measured from leading edge of wing or from nose of body (positive rearward)
y	spanwise distance measured from body center line
y'	spanwise distance measured from outer face of wing mounting block
$\frac{\partial \Delta\alpha}{\partial n}$	wing-twist influence coefficient due to normal load at 0.25c

$\frac{\partial \Delta\alpha}{\partial m}$ wing-twist influence coefficient due to moment about 0.25c

α angle of attack of wing-body center line

$\Delta\alpha$ angle of attack of wing station minus angle of attack of wing-body center line

Subscripts:

L lower surface

U upper surface

APPARATUS

Tunnel

This investigation was conducted in the Langley 8-foot transonic pressure tunnel. The test section of this facility is rectangular in cross section. The upper and lower walls are slotted longitudinally to allow continuous operation through the transonic speed range with negligible effects of choking and blockage. During this investigation, the tunnel was operated at stagnation pressures of approximately 1.0 and 0.5 atmosphere. The dewpoint of the tunnel air was controlled and kept constant at approximately 0° F. The stagnation temperature of the tunnel air was automatically controlled and was kept constant and uniform across the tunnel at 123° F. Control of both dewpoint and stagnation temperature in this manner minimized humidity effects. Details of the test section have been presented in reference 2.

Models

The wing tested has the same plan form, thickness, and camber distribution as the untwisted wing described in reference 1. However, the wing of the present investigation had twist built into each wing panel from 10 percent of the semispan to the tip. The sections were twisted about the leading edge in planes parallel to the model plane of symmetry with the trailing edges up; therefore, the tips are at a lower angle of attack than the wing-body center line. The twist varied linearly from 0° at the 10-percent-semispan station to 6° at the tip. The wing was constructed of steel and was tested as a midwing configuration. The wing was tested in combination with the basic body of reference 1.

Details of the wing-body combination are presented in figure 1 and the wing twist characteristics are presented in table I.

TESTS

The wing-body combination was tested at Mach numbers from 0.800 to 1.200, at tunnel stagnation pressures of 1.0 and 0.5 atmosphere, and at angles of attack from -4° to 12°.

Transition strips were fixed on the model during all the tests. The strips were about 0.10 inch wide and were formed by sprinkling No. 120 carborundum grains on a plastic adhesive. The strips extended from the wing-body juncture to the wing tip at 10 percent of the local chord on the upper and lower wing surfaces and formed a ring around the body at 10 percent of the body length.

The Reynolds number based on the wing mean aerodynamic chord varied over the Mach number range from approximately 2.6×10^6 to 2.9×10^6 during tests at 1.0 atmosphere and from approximately 1.3×10^6 to 1.5×10^6 during tests at 0.5 atmosphere. (See fig. 2.)

MEASUREMENTS AND ACCURACY

Measurements of the local static pressures on the model were made using flush-mounted orifices distributed over the upper and lower wing surfaces and along longitudinal body rows. Figure 3 shows the location of the six stations on the wing and the five rows on the body where the orifices were located. Pressure coefficients determined from these measurements are estimated to be accurate within ± 0.006.

The angle of attack of the model was measured by the use of a strain-gage attitude transmitter mounted in the nose of the model and is estimated to be accurate within $\pm 0.1^{\circ}$. Calibrations of the test section of the Langley 8-foot transonic pressure tunnel indicate that local deviations from the average free-stream Mach number are of the order of ± 0.005 at subsonic speeds. With increases in Mach number, these deviations increased but did not exceed ± 0.010 in the region of the wing at $M = 1.2$. Several representative Mach number distributions at the center of the test section have been presented in reference 2. The average stream Mach number was held to within ± 0.003 of the nominal values shown in the figures.

The stagnation pressures of 1,058 and 2,116 pounds per square foot have been designated 0.5 and 1.0 atmosphere, respectively, throughout this paper. The stagnation pressure was generally held to within ±10 pounds per square foot during tests at 0.5 atmosphere and ±20 pounds per square foot during tests at 1.0 atmosphere.

Influence coefficients were obtained for this wing from a static calibration and are presented in table II. Wing-twist angles, computed by using the experimental wing section data in conjunction with the influence coefficients of table II, are estimated to be accurate to within about ±0.25°.

RESULTS

The pressure coefficients for the wing in the presence of the body are presented in tables III and IV for stagnation pressures of 0.5 and 1.0 atmosphere, respectively. Pressure coefficients for the body in the presence of the wing are presented in tables V and VI for stagnation pressures of 0.5 and 1.0 atmosphere, respectively. The values of the free-stream dynamic pressure shown in the tables are the average values over the angle-of-attack range. The pressure coefficients have been plotted to show the pressure-coefficient distributions over the surfaces and are presented in figure 4 for the wing and in figure 5 for the body. The distributions over the wing (fig. 4) have been numerically integrated for section normal-force and section pitching-moment coefficients about 0.25c and the results are presented in table VII. The section data were used in conjunction with the influence coefficients of table II to calculate the change in angle of attack at several wing stations and these values are also presented in table VII.

In figures 4 and 5, data have been presented for both stagnation pressures in the same figure. Fixing transition during the tests tended to minimize the effects of Reynolds number on the pressure coefficients. This fact is evident from figures 4 and 5 which show that in all cases changing the stagnation pressure from 0.5 to 1.0 atmosphere had no significant effects on the pressure coefficients over the body or over the inboard wing stations. Aeroelastic effects caused the wing to twist over the outboard regions. The results in table VII show that the outboard wing sections are generally operating at a lesser angle of attack at a stagnation pressure of 1.0 atmosphere than at a stagnation pressure of 0.5 atmosphere because of the differences in dynamic pressure. Therefore, the differences in the pressure distributions over the outboard wing sections at the two different stagnation pressures in

figure 4 should be attributed to the differences in local angle of attack and not to Reynolds number effects.

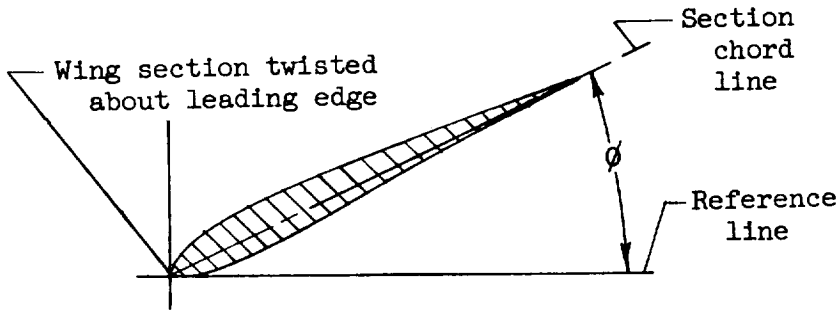
Langley Research Center,
National Aeronautics and Space Administration,
Langley Field, Va., October 3, 1958.

REFERENCES

1. Mugler, John P., Jr.: Basic Pressure Measurements at Transonic Speeds on a Thin 45° Sweptback Highly Tapered Wing With Systematic Spanwise Twist Variations - Untwisted Wing. NASA MEMO 10-20-58L, 1958.

2. Mugler, John P., Jr.: Transonic Wind-Tunnel Investigation of the Aerodynamic Loading Characteristics of a 60° Delta Wing in the Presence of a Body With and Without Indentation. NACA RM L55G11, 1955.

TABLE I.- WING TWIST CHARACTERISTICS



Typical Section

$\frac{y}{b/2}$	ϕ, deg
0	0
.10	0
.12	.133
.25	1.000
.40	2.000
.60	3.324
.80	4.667
.95	5.657
1.00	6.000

TABLE II.- WING DEFLECTION CHARACTERISTICS

Twist measurement station, $\frac{y}{b/2}$	Rate of change in twist angle due to a load at section quarter chord, $\frac{\partial \Delta\alpha}{\partial n}$, deg/lb, at -				
	$\frac{y'}{b'/2} = 0.185$	$\frac{y'}{b'/2} = 0.348$	$\frac{y'}{b'/2} = 0.565$	$\frac{y'}{b'/2} = 0.795$	$\frac{y'}{b'/2} = 0.948$
0.25	0	-0.0003	-0.0007	-0.0010	-0.0014
.40	0	-.0002	-.0016	-.0027	-.0031
.60	0	-.0002	-.0012	-.0088	-.0143
.80	0	-.0002	-.0006	-.0102	-.0382
.95	.0001	-.0002	-.0006	-.0099	-.0460

Twist measurement station, $\frac{y}{b/2}$	Rate of change in twist angle due to a pitching moment about section quarter chord, $\frac{\partial \Delta\alpha}{\partial m}$, deg/in-lb, at -				
	$\frac{y'}{b'/2} = 0.185$	$\frac{y'}{b'/2} = 0.348$	$\frac{y'}{b'/2} = 0.565$	$\frac{y'}{b'/2} = 0.795$	$\frac{y'}{b'/2} = 0.948$
0.25	0.0001	0.0001	0.0001	0.0001	0.0003
.40	.0001	.0003	.0002	.0002	.0009
.60	.0002	.0005	.0020	.0018	.0027
.80	.0002	.0005	.0031	.0123	.0119
.95	.0002	.0005	.0030	.0182	.0692

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE

OF 0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY

(a) 12-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.600; q = 308 lb/sq ft							M = 0.900; q = 350 lb/sq ft							
Upper surface	.000	-.130	.136	.383	.489	.550	.537	.392	.049	.243	.436	.522	.575	.598	.529	.000
	.025	.393	.304	.179	.053	-.110	-.601	-1.424	.406	.316	.204	.080	-.072	-.525	-1.038	.025
	.072	.245	.160	.062	-.027	-.133	-.350	-.574	.257	.176	.085	-.001	-.098	-.267	-.489	.072
	.150	.117	.038	-.051	-.125	-.205	-.381	-.583	.123	.042	-.043	-.113	-.192	-.322	-.479	.150
	.250	.061	-.002	-.082	-.145	-.212	-.372	-.531	.061	-.005	-.081	-.144	-.211	-.349	-.475	.250
	.350	.008	-.052	-.121	-.179	-.239	-.392	-.548	.008	-.058	-.130	-.191	-.255	-.395	-.504	.350
	.450	-.026	-.077	-.140	-.192	-.249	-.384	-.495	-.030	-.095	-.160	-.219	-.282	-.417	-.530	.450
	.550	-.068	-.118	-.176	-.224	-.275	-.395	-.456	-.088	-.148	-.218	-.296	-.371	-.488	-.604	.550
	.650	-.045	-.091	-.144	-.182	-.220	-.314	-.358	-.068	-.118	-.179	-.241	-.344	-.488	-.601	.650
	.750	-.034	-.070	-.113	-.143	-.170	-.233	-.289	-.050	-.091	-.144	-.182	-.235	-.475	-.581	.750
	.840	-.028	-.056	-.084	-.107	-.121	-.167	-.220	-.041	-.071	-.111	-.133	-.158	-.355	-.325	.840
	.920	-.016	-.032	-.051	-.060	-.070	-.094	-.134	-.023	-.045	-.066	-.076	-.087	-.135	-.156	.920
Lower surface	.031	-.370	-.227	-.072	.033	.159	.363	.550	-.293	-.174	-.048	.056	.164	.374	.556	.031
	.072	-.308	-.208	-.083	-.010	.097	.270	.446	-.253	-.173	-.073	.005	.103	.284	.446	.072
	.150	-.269	-.189	-.085	-.027	.061	.209	.360	-.237	-.171	-.084	-.019	.060	.220	.358	.150
	.250	-.263	-.198	-.103	-.048	.026	.156	.286	-.258	-.201	-.114	-.052	.018	.162	.287	.250
	.350															.350
	.450	-.274	-.217	-.140	-.091	-.029	.076	.181	-.290	-.242	-.170	-.111	-.050	.074	.177	.450
	.550	-.258	-.206	-.137	-.090	-.035	.061	.154	-.332	-.272	-.188	-.123	-.062	.056	.148	.550
	.650	-.229	-.189	-.128	-.087	-.042	.041	.123	-.348	-.273	-.175	-.121	-.067	.037	.114	.650
	.750	-.163	-.135	-.086	-.052	-.010	.055	.118	-.290	-.183	-.119	-.075	-.035	.053	.114	.750
	.850	-.098	-.078	-.047	-.017	.012	.064	.105	-.127	-.097	-.063	-.030	-.005	.066	.106	.850
	.900	-.070	-.050	-.023	.001	.025	.073	.104	-.074	-.060	-.036	-.006	.014	.075	.101	.900
		M = 0.940; q = 365 lb/sq ft							M = 0.980; q = 380 lb/sq ft							
Upper surface	.000	.113	.289	.472	.535	.590	.615	.575	.174	.336	.509	.567	.617	.652	.619	.000
	.025	.408	.323	.223	.092	-.046	-.485	-.955	.434	.346	.253	.128	-.004	-.403	-.895	.025
	.072	.260	.182	.104	.015	-.078	-.241	-.451	.285	.202	.131	.051	-.032	-.173	-.395	.072
	.150	.122	.042	-.034	-.108	-.178	-.325	-.432	.147	.067	-.005	-.073	-.139	-.269	-.383	.150
	.250	.061	-.010	-.073	-.137	-.199	-.326	-.438	.084	.013	-.045	-.101	-.160	-.269	-.379	.250
	.350	-.002	-.065	-.129	-.183	-.257	-.370	-.464	.020	-.048	-.100	-.170	-.215	-.315	-.420	.350
	.450	-.040	-.105	-.163	-.223	-.279	-.406	-.497	-.029	-.090	-.140	-.192	-.250	-.346	-.445	.450
	.550	-.109	-.179	-.257	-.311	-.360	-.478	-.574	-.113	-.184	-.231	-.280	-.330	-.426	-.527	.550
	.650	-.089	-.147	-.238	-.311	-.366	-.478	-.571	-.097	-.186	-.237	-.289	-.340	-.425	-.520	.650
	.750	-.073	-.118	-.175	-.304	-.362	-.481	-.576	-.088	-.172	-.237	-.290	-.344	-.430	-.531	.750
	.840	-.062	-.093	-.128	-.232	-.360	-.502	-.569	-.103	-.178	-.254	-.311	-.364	-.454	-.551	.840
	.920	-.048	-.059	-.075	-.088	-.228	-.441	-.425	-.099	-.165	-.234	-.287	-.336	-.431	-.531	.920
Lower surface	.031	-.257	-.146	-.028	.059	.170	.379	.565	-.214	-.099	.012	.102	.200	.398	.588	.031
	.072	-.224	-.155	-.058	.005	.105	.289	.457	-.179	-.102	-.023	.051	.135	.311	.484	.072
	.150	-.230	-.166	-.080	-.029	.063	.222	.369	-.201	-.127	-.055	.017	.087	.243	.397	.150
	.250	-.239	-.189	-.119	-.064	.017	.161	.296	-.207	-.159	-.095	-.029	.037	.179	.322	.250
	.350															.350
	.450	-.289	-.233	-.174	-.133	-.083	.066	.184	-.263	-.206	-.146	-.098	-.052	.075	.204	.450
	.550	-.328	-.274	-.221	-.162	-.085	.043	.150	-.302	-.252	-.195	-.147	-.091	.044	.169	.550
	.650	-.348	-.310	-.249	-.176	-.096	.018	.115	-.328	-.285	-.227	-.181	-.129	.012	.130	.650
	.750	-.349	-.315	-.196	-.114	-.056	.030	.109	-.332	-.290	-.239	-.189	-.135	.021	.124	.750
	.850	-.336	-.261	-.074	-.049	-.016	.037	.098	-.331	-.284	-.232	-.176	-.107	.030	.111	.850
	.900	-.300	-.166	-.038	-.017	.005	.043	.087	-.324	-.273	-.221	-.158	-.082	.032	.103	.900

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF 0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(a) 12-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°		α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 397 lb/sq ft								M = 1.125; q = 421 lb/sq ft							
Upper surface	.000	.255	.424	.589	.616	.658	.706	.681		.335	.440	.527	.587	.627	.688	.738	.000
	.025	.484	.408	.314	.176	.048	-.324	-.763		.438	.341	.223	.107	-.021	-.344	-.610	.025
	.072	.341	.261	.193	.103	.026	-.097	-.315		.320	.250	.169	.097	.023	-.192	-.330	.072
	.150	.205	.123	.047	-.021	-.083	-.191	-.294		.187	.124	.059	-.006	-.062	-.164	-.259	.150
	.250	.138	.070	.008	-.047	-.100	-.190	-.293		.139	.086	.032	-.022	-.080	-.177	-.250	.250
	.350	.077	.011	-.059	-.114	-.158	-.239	-.331		.079	.021	-.024	-.074	-.125	-.214	-.279	.350
	.450	.035	-.023	-.085	-.143	-.187	-.267	-.359		.047	-.006	-.059	-.105	-.152	-.233	-.305	.450
	.550	-.060	-.113	-.173	-.222	-.264	-.346	-.438		-.033	-.087	-.135	-.178	-.218	-.300	-.367	.550
	.650	-.056	-.113	-.176	-.231	-.269	-.345	-.435		-.032	-.085	-.133	-.177	-.223	-.303	-.360	.650
	.750	-.048	-.114	-.180	-.230	-.275	-.356	-.444		-.038	-.091	-.137	-.185	-.228	-.302	-.366	.750
	.840	-.062	-.123	-.198	-.252	-.295	-.382	-.465		-.052	-.110	-.156	-.202	-.247	-.321	-.384	.840
	.920	-.054	-.110	-.180	-.230	-.275	-.360	-.450		-.031	-.089	-.138	-.181	-.223	-.302	-.371	.920
Lower surface	.031	-.135	-.021	.079	.154	.245	.452	.633		-.157	-.071	.016	.110	.196	.388	.595	.031
	.072	-.099	-.036	.035	.103	.180	.365	.531		-.102	-.029	.027	.089	.155	.316	.506	.072
	.150	-.130	-.079	-.009	.059	.133	.295	.445		-.126	-.053	-.011	.057	.124	.268	.434	.150
	.250	-.134	-.099	-.042	.016	.086	.233	.371		-.119	-.078	-.026	.036	.089	.217	.367	.250
	.350																.350
	.450	-.189	-.147	-.093	-.044	.010	.130	.261		-.166	-.114	-.065	-.013	.040	.150	.269	.450
	.550	-.228	-.189	-.140	-.089	-.033	.094	.224		-.196	-.150	-.100	-.047	.003	.109	.240	.550
	.650	-.252	-.219	-.170	-.121	-.064	.063	.185		-.221	-.176	-.131	-.083	-.035	.082	.207	.650
	.750	-.256	-.223	-.175	-.132	-.072	.072	.180		-.219	-.177	-.128	-.080	-.032	.077	.213	.750
	.850	-.262	-.220	-.173	-.126	-.059	.086	.172		-.207	-.166	-.124	-.076	-.030	.090	.222	.850
	.900	-.253	-.206	-.161	-.109	-.041	.094	.166		-.196	-.154	-.113	-.064	-.014	.108	.227	.900
		M = 1.200; q = 437 lb/sq ft															
Upper surface	.000	.376	.459	.531	.600	.642	.701	.737									.000
	.025	.414	.305	.218	.098	-.006	-.291	-.530									.025
	.072	.323	.245	.163	.083	.013	-.168	-.313									.072
	.150	.181	.114	.068	.005	-.042	-.136	-.242									.150
	.250	.176	.116	.056	-.011	-.057	-.147	-.220									.250
	.350	.110	.054	.006	-.044	-.094	-.179	-.250									.350
	.450	.083	.029	-.021	-.073	-.115	-.194	-.264									.450
	.550	.001	-.053	-.094	-.149	-.184	-.258	-.314									.550
	.650	-.002	-.053	-.095	-.144	-.183	-.253	-.320									.650
	.750	-.014	-.058	-.100	-.146	-.180	-.257	-.326									.750
	.840	-.043	-.089	-.127	-.173	-.206	-.283	-.345									.840
	.920	-.028	-.077	-.115	-.160	-.197	-.269	-.335									.920
Lower surface	.031	-.120	-.066	.030	.100	.190	.373	.555									.031
	.072	-.071	-.026	.048	.093	.158	.301	.471									.072
	.150	-.083	-.048	.014	.056	.109	.242	.417									.150
	.250	-.084	-.053	-.003	.045	.103	.228	.367									.250
	.350																.350
	.450	-.116	-.085	-.030	.010	.059	.166	.287									.450
	.550	-.152	-.118	-.071	-.027	.024	.140	.248									.550
	.650	-.169	-.143	-.090	-.052	.003	.099	.205									.650
	.750	-.173	-.144	-.095	-.058	-.011	.082	.193									.750
	.850	-.159	-.136	-.101	-.066	-.022	.074	.197									.850
	.900	-.158	-.126	-.089	-.059	-.016	.087	.223									.900

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(b) 25-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 308 lb/sq ft							M = 0.900; q = 350 lb/sq ft							
Upper surface	.000	-.187	.032	.250	.393	.376	-.133	-.846	-.064	.100	.270	.403	.405	.060	-.444	.000
	.027	.338	.248	.117	-.036	-.248	-.886	-1.405	.330	.244	.120	-.024	-.215	-.812	-1.177	.027
	.075	.193	.106	-.014	-.127	-.273	-.575	-1.142	.187	.096	-.015	-.125	-.271	-.508	-.988	.075
	.140	.120	.042	-.063	-.157	-.270	-.519	-.975	.114	.037	-.068	-.165	-.277	-.496	-.778	.140
	.250	.031	-.039	-.126	-.198	-.281	-.478	-.804	.023	-.050	-.139	-.216	-.298	-.484	-.727	.250
	.350	-.030	-.096	-.174	-.243	-.311	-.494	-.649	-.047	-.118	-.207	-.290	-.369	-.500	-.728	.350
	.450	-.050	-.109	-.175	-.228	-.289	-.433	-.498	-.068	-.131	-.213	-.280	-.392	-.543	-.708	.450
	.550	-.048	-.100	-.154	-.199	-.251	-.358	-.407	-.065	-.123	-.192	-.257	-.378	-.540	-.669	.550
	.650	-.047	-.088	-.138	-.171	-.209	-.285	-.352	-.066	-.115	-.169	-.225	-.276	-.534	-.620	.650
	.750	-.030	-.058	-.097	-.118	-.144	-.195	-.273	-.043	-.079	-.119	-.149	-.181	-.421	-.484	.750
	.850	.007	-.015	-.042	-.050	-.067	-.097	-.168	-.002	-.029	-.052	-.065	-.077	-.123	-.235	.850
	.923	.026	.012	-.003	-.004	-.007	-.025	-.089	.025	.009	-.005	-.007	-.011	-.029	-.148	.923
Lower surface	.026	-.777	-.630	-.299	-.112	.090	.329	.467	-.710	-.597	-.333	-.105	.075	.328	.466	.026
	.074	-.792	-.538	-.158	-.072	.066	.246	.391	-.680	-.465	-.168	-.065	.054	.247	.384	.074
	.150	-.622	-.291	-.136	-.059	.035	.184	.313	-.575	-.319	-.151	-.065	.020	.183	.309	.150
	.250	-.200	-.201	-.122	-.059	.014	.141	.261	-.229	-.230	-.147	-.073	-.003	.143	.250	.250
	.350	-.232	-.209	-.136	-.077	-.009	.102	.212	-.282	-.261	-.171	-.103	-.034	.097	.199	.350
	.450	-.242	-.207	-.139	-.090	-.027	.073	.168	-.320	-.275	-.187	-.122	-.056	.067	.162	.450
	.550	-.203	-.171	-.115	-.073	-.017	.069	.150	-.319	-.251	-.156	-.102	-.046	.061	.137	.550
	.650	-.165	-.137	-.091	-.057	-.009	.062	.128	-.289	-.188	-.123	-.080	-.034	.057	.118	.650
	.750	-.105	-.083	-.048	-.021	.015	.075	.120	-.123	-.103	-.069	-.032	-.001	.072	.114	.750
	.850	-.052	-.042	-.018	.003	.028	.068	.093	-.051	-.050	-.027	-.003	.016	.067	.083	.850
	.900	-.022	-.016	.002	.016	.038	.064	.079	-.014	-.013	-.001	.017	.029	.066	.065	.900
		M = 0.940; q = 365 lb/sq ft							M = 0.980; q = 380 lb/sq ft							
Upper surface	.000	-.013	.130	.286	.402	.417	.125	-.338	.039	.173	.314	.422	.444	.206	-.230	.000
	.027	.329	.238	.128	-.013	-.184	-.750	-1.074	.345	.249	.148	.021	-.140	-.619	-1.073	.027
	.075	.180	.094	-.011	-.124	-.255	-.471	-.978	.199	.106	.012	-.097	-.219	-.444	-.867	.075
	.140	.110	.032	-.066	-.163	-.275	-.467	-.744	.124	.040	-.047	-.136	-.239	-.404	-.636	.140
	.250	.017	-.056	-.137	-.215	-.291	-.473	-.693	.029	-.044	-.110	-.187	-.267	-.412	-.579	.250
	.350	-.066	-.145	-.225	-.291	-.343	-.487	-.677	-.064	-.140	-.197	-.254	-.303	-.425	-.579	.350
	.450	-.089	-.159	-.241	-.317	-.392	-.532	-.681	-.094	-.166	-.234	-.294	-.362	-.479	-.602	.450
	.550	-.087	-.147	-.242	-.335	-.398	-.532	-.657	-.087	-.191	-.256	-.311	-.369	-.476	-.601	.550
	.650	-.090	-.147	-.214	-.336	-.412	-.544	-.640	-.118	-.201	-.266	-.329	-.391	-.499	-.610	.650
	.750	-.066	-.102	-.140	-.270	-.398	-.531	-.613	-.105	-.207	-.273	-.330	-.384	-.481	-.601	.750
	.850	-.025	-.038	-.052	-.062	-.222	-.446	-.530	-.075	-.157	-.233	-.297	-.360	-.458	-.584	.850
	.923	.004	-.002	-.001	.005	-.033	-.197	-.293	-.089	-.133	-.194	-.232	-.278	-.358	-.519	.923
Lower surface	.026	-.681	-.574	-.339	-.131	.059	.319	.473	-.642	-.534	-.303	-.077	.083	.332	.496	.026
	.074	-.625	-.439	-.170	-.089	.042	.242	.392	-.577	-.369	-.162	-.039	.064	.256	.411	.074
	.150	-.539	-.308	-.157	-.082	.011	.178	.314	-.523	-.264	-.139	-.044	.028	.190	.336	.150
	.250	-.253	-.223	-.151	-.092	-.018	.132	.256	-.245	-.203	-.120	-.058	-.005	.142	.277	.250
	.350	-.288	-.260	-.196	-.137	-.050	.087	.203	-.264	-.239	-.165	-.113	-.048	.094	.225	.350
	.450	-.313	-.284	-.218	-.172	-.082	.050	.162	-.289	-.258	-.197	-.146	-.093	.048	.178	.450
	.550	-.325	-.298	-.229	-.153	-.072	.042	.137	-.310	-.272	-.216	-.163	-.108	.036	.153	.550
	.650	-.356	-.324	-.196	-.125	-.054	.033	.115	-.343	-.302	-.247	-.192	-.129	.020	.127	.650
	.750	-.333	-.268	-.078	-.056	-.016	.044	.106	-.329	-.283	-.226	-.164	-.100	.032	.116	.750
	.850	-.270	-.085	-.025	-.017	.005	.030	.064	-.322	-.278	-.222	-.168	-.095	.008	.073	.850
	.900	-.119	-.025	.000	.008	.022	.017	.041	-.313	-.264	-.213	-.155	-.076	-.012	.041	.900

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(b) 25-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 397 lb/sq ft							M = 1.195; q = 421 lb/sq ft							
Upper surface	.000	.119	.237	.358	.462	.489	.279	-.114	.191	.294	.400	.477	.512	.353	.070	.000
	.027	.391	.301	.194	.074	-.075	-.515	-.982	.387	.305	.220	.105	-.045	-.460	-.739	.027
	.075	.250	.161	.060	-.044	-.151	-.374	-.821	.245	.165	.077	-.011	-.108	-.357	-.723	.075
	.140	.179	.095	.002	-.087	-.173	-.312	-.499	.178	.100	.027	-.054	-.133	-.287	-.591	.140
	.250	.087	.022	-.061	-.136	-.203	-.332	-.461	.105	.031	-.035	-.098	-.170	-.280	-.356	.250
	.350	-.009	-.070	-.140	-.185	-.236	-.344	-.468	.020	-.033	-.083	-.133	-.183	-.291	-.360	.350
	.450	-.036	-.102	-.173	-.238	-.295	-.395	-.498	-.017	-.076	-.135	-.190	-.246	-.342	-.411	.450
	.550	-.060	-.125	-.194	-.251	-.297	-.394	-.497	-.032	-.092	-.146	-.194	-.242	-.332	-.407	.550
	.650	-.072	-.133	-.213	-.273	-.325	-.418	-.512	-.040	-.104	-.162	-.217	-.270	-.364	-.432	.650
	.750	-.080	-.146	-.213	-.269	-.313	-.402	-.505	-.056	-.106	-.153	-.202	-.250	-.341	-.414	.750
	.850	-.044	-.107	-.178	-.243	-.292	-.386	-.491	-.030	-.088	-.141	-.189	-.240	-.325	-.394	.850
	.923	-.056	-.099	-.156	-.212	-.250	-.311	-.435	-.023	-.078	-.125	-.170	-.214	-.285	-.359	.923
Lower surface	.026	-.535	-.465	-.244	-.028	.126	.381	.539	-.510	-.414	-.225	-.018	.134	.383	.532	.026
	.074	-.459	-.309	-.100	.001	.108	.307	.458	-.380	-.239	-.080	.022	.112	.298	.459	.074
	.150	-.426	-.210	-.091	-.005	.080	.241	.385	-.315	-.151	-.057	.015	.091	.249	.391	.150
	.250	-.182	-.142	-.067	.000	.050	.194	.329	-.182	-.098	-.028	.051	.101	.214	.340	.250
	.350	-.194	-.174	-.118	-.056	.004	.145	.277	-.169	-.122	-.072	-.015	.038	.167	.295	.350
	.450	-.216	-.192	-.137	-.085	-.029	.098	.230	-.187	-.140	-.091	-.033	.017	.127	.252	.450
	.550	-.235	-.207	-.153	-.104	-.046	.085	.207	-.205	-.156	-.110	-.056	-.001	.108	.235	.550
	.650	-.268	-.235	-.185	-.136	-.074	.071	.183	-.224	-.175	-.130	-.080	-.030	.083	.219	.650
	.750	-.256	-.215	-.166	-.112	-.043	.087	.179	-.218	-.169	-.119	-.067	-.015	.102	.227	.750
	.850	-.254	-.212	-.166	-.115	-.050	.066	.133	-.209	-.165	-.118	-.068	-.020	.088	.202	.850
	.900	-.254	-.209	-.162	-.113	-.049	.053	.108	-.214	-.166	-.119	-.070	-.024	.084	.184	.900
		M = 1.200; q = 457 lb/sq ft														
Upper surface	.000	.259	.347	.441	.500	.523	.427	.191								.000
	.027	.396	.318	.231	.108	-.013	-.379	-.646								.027
	.075	.259	.173	.093	.005	-.082	-.309	-.602								.075
	.140	.194	.120	.047	-.034	-.105	-.247	-.532								.140
	.250	.114	.049	-.008	-.078	-.136	-.267	-.292								.250
	.350	.057	.003	-.043	-.102	-.155	-.263	-.329								.350
	.450	.004	-.057	-.106	-.172	-.224	-.309	-.369								.450
	.550	-.011	-.066	-.115	-.176	-.218	-.293	-.360								.550
	.650	-.038	-.097	-.142	-.196	-.239	-.324	-.399								.650
	.750	-.032	-.084	-.128	-.181	-.221	-.303	-.374								.750
	.850	-.021	-.076	-.122	-.174	-.214	-.293	-.360								.850
	.923	-.014	-.060	-.104	-.154	-.198	-.273	-.331								.923
Lower surface	.026	-.413	-.351	-.180	-.003	.130	.347	.522								.026
	.074	-.279	-.198	-.051	.025	.116	.287	.450								.074
	.150	-.204	-.130	-.037	.023	.097	.241	.386								.150
	.250	-.154	-.093	-.018	.042	.095	.222	.347								.250
	.350	-.142	-.102	-.045	.000	.050	.168	.300								.350
	.450	-.159	-.126	-.072	-.023	.029	.146	.253								.450
	.550	-.169	-.145	-.090	-.047	.012	.124	.235								.550
	.650	-.184	-.160	-.105	-.064	-.016	.087	.198								.650
	.750	-.169	-.152	-.107	-.063	-.014	.097	.215								.750
	.850	-.156	-.128	-.076	-.041	-.008	.086	.217								.850
	.900	-.153	-.134	-.081	-.043	.006	.099	.212								.900

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(c) 40-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°		α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 408 lb/sq ft								M = 0.900; q = 350 lb/sq ft							
Upper surface	.000	.176	.248	.328	.358	-.039	-1.085	-1.299		.224	.275	.336	.361	.054	-.994	-1.240	.000
	.030	.393	.330	.210	.033	-.261	-1.157	-1.289		.383	.311	.196	.028	-.244	-1.094	-1.271	.030
	.078	.234	.146	.025	-.115	-.303	-.846	-1.261		.216	.126	.005	-.135	-.320	-.798	-1.231	.078
	.150	.140	.062	-.046	-.155	-.295	-.664	-1.254		.125	.041	-.070	-.188	-.334	-.626	-1.133	.150
	.260	.071	.007	-.089	-.173	-.284	-.524	-1.253		.057	-.016	-.122	-.222	-.342	-.590	-1.030	.260
	.350	.025	-.039	-.121	-.190	-.273	-.463	-1.090		.008	-.059	-.148	-.242	-.380	-.583	-.955	.350
	.450	-.008	-.066	-.135	-.196	-.264	-.408	-.909		-.022	-.087	-.166	-.248	-.390	-.596	-.860	.450
	.550	-.028	-.073	-.134	-.178	-.242	-.339	-.769		-.039	-.096	-.162	-.220	-.276	-.618	-.729	.550
	.660	-.030	-.069	-.118	-.155	-.198	-.267	-.553		-.044	-.090	-.144	-.191	-.246	-.537	-.617	.660
	.750	-.026	-.056	-.095	-.121	-.148	-.192	-.407		-.037	-.073	-.113	-.144	-.176	-.219	-.480	.750
	.860	.010	-.017	-.039	-.053	-.068	-.098	-.270		.001	-.021	-.046	-.061	-.081	-.075	-.355	.860
	.930	.026	.007	-.004	-.012	-.019	-.033	-.181		.020	.005	-.010	-.012	-.020	-.016	-.256	.930
Lower surface	.032	-.861	-.777	-.344	-.187	.089	.336	.454		-.856	-.862	-.422	-.206	.056	.318	.439	.032
	.083	-.741	-.552	-.211	-.113	.057	.247	.379		-.667	-.525	-.241	-.126	.030	.235	.359	.083
	.160	-.759	-.513	-.183	-.115	.029	.177	.304		-.668	-.458	-.219	-.125	.001	.170	.285	.160
	.240	-.806	-.400	-.170	-.092	.005	.134	.242		-.765	-.428	-.222	-.118	-.028	.122	.226	.240
	.360	-.449	-.262	-.154	-.089	-.013	.100	.193		-.587	-.382	-.206	-.122	-.047	.087	.178	.360
	.450	-.179	-.188	-.122	-.069	-.005	.087	.164		-.404	-.292	-.160	-.098	-.033	.078	.153	.450
	.550	-.095	-.125	-.075	-.033	.019	.094	.155		-.209	-.170	-.098	-.046	.001	.090	.148	.550
	.660	-.051	-.069	-.031	.005	.048	.109	.148		-.060	-.085	-.042	-.001	.033	.106	.146	.660
	.750	-.007	-.021	.004	.035	.068	.119	.139		.003	-.029	.002	.036	.060	.117	.137	.750
	.840	.013	.002	.023	.045	.071	.104	.113		.025	.001	.022	.047	.067	.109	.106	.840
	.910	.029	.023	.033	.045	.067	.087	.077		.041	.021	.033	.050	.063	.090	.064	.910
		M = 0.940; q = 365 lb/sq ft								M = 0.980; q = 380 lb/sq ft							
Upper surface	.000	.243	.287	.344	.363	.112	-.953	-1.198		.268	.309	.360	.383	.170	-.817	-1.168	.000
	.030	.369	.297	.194	.033	-.205	-1.115	-1.226		.380	.300	.206	.058	-.152	-.974	-1.263	.030
	.078	.199	.110	-.004	-.139	-.303	-.799	-1.181		.205	.111	.012	-.112	-.258	-.732	-1.213	.078
	.150	.110	.019	-.088	-.195	-.326	-.562	-1.092		.109	.017	-.070	-.183	-.302	-.479	-1.095	.150
	.260	.036	-.043	-.151	-.232	-.335	-.561	-.974		.039	-.051	-.122	-.206	-.324	-.500	-.772	.260
	.350	-.016	-.089	-.197	-.282	-.365	-.576	-.910		-.022	-.121	-.193	-.261	-.347	-.512	-.678	.350
	.450	-.048	-.118	-.206	-.336	-.412	-.581	-.824		-.065	-.166	-.244	-.315	-.382	-.526	-.655	.450
	.550	-.063	-.122	-.184	-.341	-.442	-.615	-.722		-.084	-.177	-.264	-.352	-.439	-.560	-.665	.550
	.660	-.067	-.111	-.168	-.291	-.422	-.602	-.651		-.116	-.185	-.278	-.345	-.417	-.548	-.664	.660
	.750	-.059	-.089	-.122	-.130	-.419	-.599	-.609		-.115	-.208	-.300	-.366	-.436	-.555	-.668	.750
	.860	-.011	-.029	-.048	-.049	-.084	-.290	-.445		-.090	-.161	-.253	-.338	-.407	-.519	-.633	.860
	.930	.016	.004	-.006	-.004	.004	-.133	-.353		-.050	-.055	-.127	-.175	-.258	-.356	-.480	.930
Lower surface	.032	-.876	-.898	-.468	-.274	.015	.305	.440		-.894	-.862	-.467	-.184	.032	.304	.458	.032
	.083	-.625	-.506	-.247	-.163	.004	.222	.360		-.582	-.466	-.230	-.114	.013	.225	.372	.083
	.160	-.602	-.422	-.235	-.171	-.030	.156	.284		-.554	-.370	-.207	-.122	-.031	.152	.298	.160
	.240	-.694	-.397	-.264	-.170	-.058	.104	.226		-.549	-.342	-.231	-.151	-.077	.098	.236	.240
	.360	-.585	-.405	-.283	-.184	-.076	.062	.172		-.553	-.366	-.265	-.193	-.120	.051	.183	.360
	.450	-.441	-.393	-.262	-.150	-.058	.052	.147		-.476	-.370	-.278	-.211	-.142	.039	.155	.450
	.550	-.379	-.365	-.122	-.083	-.017	.064	.140		-.427	-.350	-.271	-.198	-.127	.051	.147	.550
	.660	-.340	-.236	-.037	-.017	.024	.079	.136		-.378	-.313	-.241	-.153	-.040	.065	.142	.660
	.750	-.174	-.049	.008	.028	.056	.089	.128		-.317	-.254	-.180	-.087	.007	.064	.127	.750
	.840	-.026	.014	.027	.041	.066	.075	.087		-.262	-.195	-.130	-.048	.007	.037	.085	.840
	.910	.030	.035	.041	.043	.065	.046	.042		-.157	-.110	-.068	-.015	-.004	-.009	.024	.910

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(c) 40-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 397 lb/sq ft							M = 1.125; q = 421 lb/sq ft							
Upper surface	.000	.329	.369	.401	.426	.239	-.674	-1.019	.377	.402	.437	.450	.309	-.467	-.794	.000
	.030	.423	.354	.251	.115	-.083	-.829	-1.110	.425	.355	.276	.161	-.058	-.643	-.873	.030
	.078	.254	.169	.060	-.057	-.186	-.635	-1.055	.253	.176	.089	-.003	-.132	-.542	-.835	.078
	.150	.159	.082	-.018	-.121	-.228	-.397	-.974	.170	.090	.010	-.075	-.166	-.376	-.782	.150
	.260	.083	.018	-.063	-.160	-.251	-.417	-.714	.109	.043	-.034	-.110	-.208	-.359	-.724	.260
	.350	.019	-.055	-.125	-.202	-.275	-.426	-.570	.044	-.022	-.080	-.157	-.237	-.378	-.595	.350
	.450	-.026	-.099	-.181	-.243	-.309	-.437	-.551	-.004	-.070	-.125	-.187	-.250	-.392	-.468	.450
	.550	-.038	-.118	-.204	-.292	-.360	-.474	-.566	-.028	-.105	-.177	-.239	-.298	-.404	-.473	.550
	.660	-.070	-.137	-.214	-.282	-.346	-.465	-.564	-.049	-.108	-.169	-.228	-.290	-.404	-.472	.660
	.750	-.091	-.153	-.233	-.301	-.362	-.473	-.574	-.070	-.132	-.190	-.248	-.306	-.420	-.486	.750
	.860	-.068	-.125	-.204	-.281	-.338	-.447	-.552	-.040	-.117	-.176	-.232	-.290	-.395	-.466	.860
	.930	-.068	-.105	-.160	-.226	-.281	-.337	-.409	-.037	-.096	-.157	-.214	-.268	-.335	-.418	.930
Lower surface	.032	-.778	-.771	-.476	-.133	.082	.353	.502	-.731	-.661	-.470	-.120	.067	.348	.505	.032
	.083	-.473	-.404	-.172	-.063	.070	.270	.420	-.474	-.369	-.145	-.046	.084	.277	.429	.083
	.160	-.449	-.307	-.148	-.060	.030	.206	.347	-.398	-.244	-.119	-.022	.061	.212	.358	.160
	.240	-.427	-.274	-.167	-.089	-.018	.146	.286	-.331	-.213	-.128	-.043	.025	.162	.302	.240
	.360	-.439	-.297	-.201	-.131	-.061	.096	.233	-.312	-.232	-.145	-.082	-.023	.109	.255	.360
	.450	-.397	-.304	-.218	-.152	-.081	.086	.211	-.324	-.236	-.168	-.107	-.046	.088	.240	.450
	.550	-.356	-.286	-.210	-.144	-.072	.102	.207	-.310	-.225	-.158	-.099	-.039	.097	.248	.550
	.660	-.314	-.251	-.182	-.113	-.024	.118	.203	-.278	-.204	-.141	-.077	-.014	.138	.258	.660
	.750	-.259	-.195	-.128	-.055	.030	.124	.190	-.228	-.160	-.094	-.035	.035	.177	.258	.750
	.840	-.220	-.160	-.094	-.028	.031	.096	.150	-.189	-.129	-.057	.005	.063	.163	.222	.840
	.910	-.175	-.124	-.073	-.033	.004	.047	.089	-.167	-.099	-.050	.005	.048	.123	.171	.910
		M = 1.200; q = 437 lb/sq ft														
Upper surface	.000	.439	.457	.489	.482	.357	-.290	-.649								.000
	.030	.456	.395	.321	.177	-.002	-.492	-.740								.030
	.078	.286	.207	.131	.035	-.097	-.417	-.695								.078
	.150	.194	.120	.047	-.038	-.126	-.356	-.658								.150
	.260	.136	.060	.000	-.088	-.162	-.307	-.626								.260
	.350	.075	.015	-.053	-.132	-.187	-.316	-.608								.350
	.450	.023	-.033	-.088	-.158	-.224	-.348	-.526								.450
	.550	-.018	-.091	-.140	-.207	-.253	-.362	-.394								.550
	.660	-.032	-.090	-.145	-.207	-.253	-.354	-.410								.660
	.750	-.060	-.112	-.161	-.224	-.273	-.362	-.432								.750
	.860	-.048	-.099	-.148	-.205	-.252	-.349	-.425								.860
	.930	-.038	-.093	-.134	-.189	-.236	-.327	-.405								.930
Lower surface	.032	-.582	-.616	-.410	-.094	.085	.357	.515								.032
	.083	-.444	-.388	-.109	-.020	.097	.296	.438								.083
	.160	-.289	-.180	-.078	.002	.079	.242	.366								.160
	.240	-.250	-.172	-.086	-.017	.050	.180	.301								.240
	.360	-.235	-.180	-.105	-.053	.006	.120	.241								.360
	.450	-.251	-.202	-.131	-.088	-.034	.085	.212								.450
	.550	-.249	-.207	-.139	-.088	-.033	.079	.215								.550
	.660	-.217	-.188	-.130	-.079	-.022	.092	.274								.660
	.750	-.178	-.133	-.084	-.045	.006	.133	.291								.750
	.840	-.144	-.106	-.045	.007	.057	.181	.268								.840
	.910	-.126	-.095	-.036	.013	.060	.159	.222								.910

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(d) 60-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 308 lb/sq ft							M = 0.900; q = 350 lb/sq ft							
Upper surface	.000	-.433	-.097	.244	.465	.402	-.430	-.675	-.421	-.059	.251	.467	.403	-.312	-.733	.000
	.020	.422	.362	.239	.064	-.306	-.939	-.733	.411	.349	.230	.040	-.367	-1.295	-.893	.020
	.077	.298	.219	.095	-.036	-.253	-.867	-.707	.284	.204	.083	-.067	-.326	-1.119	-.839	.077
	.150	.207	.127	.020	-.091	-.249	-.832	-.707	.199	.111	-.002	-.125	-.327	-.985	-.814	.150
	.250	.134	.057	-.035	-.128	-.248	-.767	-.692	.118	.041	-.054	-.161	-.327	-.675	-.760	.250
	.350	.077	.012	-.069	-.145	-.243	-.656	-.674	.067	.002	-.084	-.179	-.298	-.651	-.731	.350
	.450	.057	.006	-.066	-.126	-.203	-.482	-.622	.052	-.008	-.081	-.156	-.255	-.626	-.672	.450
	.550	.010	-.037	-.096	-.149	-.215	-.374	-.627	.006	-.049	-.115	-.177	-.258	-.547	-.666	.550
	.640	-.001	-.039	-.093	-.132	-.185	-.267	-.603	-.007	-.052	-.107	-.158	-.222	-.260	-.617	.640
	.740	-.012	-.045	-.086	-.115	-.152	-.180	-.577	-.016	-.055	-.095	-.135	-.170	-.128	-.587	.740
	.850	.016	-.006	-.036	-.056	-.074	-.093	-.533	.014	-.014	-.043	-.062	-.083	-.055	-.536	.850
	.900	.032	.007	-.020	-.027	-.044	-.058	-.517	.031	.003	-.023	-.032	-.046	-.027	-.531	.900
	.922	.040	.012	-.013	-.018	-.027	-.044	-.510	.040	.009	-.015	-.020	-.027	-.013	-.502	.922
Lower surface	.040	-.695	-.597	-.374	-.177	.075	.311	.417	-.779	-.656	-.425	-.202	.049	.287	.392	.040
	.090	-.681	-.575	-.337	-.122	.058	.250	.358	-.757	-.620	-.381	-.133	.035	.235	.338	.090
	.150	-.671	-.566	-.303	-.104	.039	.200	.302	-.737	-.600	-.334	-.116	.018	.187	.284	.150
	.250	-.686	-.574	-.229	-.064	.065	.178	.260	-.725	-.610	-.278	-.074	.047	.173	.248	.250
	.340	-.730	-.590	-.168	-.069	.037	.144	.209	-.737	-.643	-.210	-.073	.022	.137	.197	.340
	.450	-.733	-.490	-.098	-.053	.040	.125	.171	-.725	-.553	-.125	-.054	.028	.122	.162	.450
	.550	-.706	-.284	-.062	-.017	.043	.113	.140	-.739	-.340	-.079	-.021	.035	.114	.132	.550
	.650	-.503	-.093	-.020	.016	.055	.112	.113	-.539	-.129	-.030	.013	.053	.118	.106	.650
	.800	.012	.051	.024	.058	.080	.112	.055	.052	.050	.025	.057	.078	.120	.056	.800
	.874	.139	.075	.041	.060	.079	.095	-.011	.183	.082	.042	.063	.077	.109	.006	.874
		M = 0.940; q = 365 lb/sq ft							M = 0.980; q = 380 lb/sq ft							
Upper surface	.000	-.339	-.021	.240	.439	.414	-.172	-.673	-.248	.042	.246	.417	.413	-.023	-.602	.000
	.020	.391	.318	.204	.016	-.314	-1.228	-.911	.380	.289	.188	.029	-.243	-1.081	-1.314	.020
	.077	.261	.175	.060	-.094	-.310	-1.093	-.883	.248	.143	.042	-.095	-.265	-.939	-1.208	.077
	.150	.169	.084	-.023	-.161	-.342	-1.035	-.890	.154	.050	-.043	-.159	-.304	-.895	-1.204	.150
	.250	.095	.015	-.078	-.239	-.390	-.824	-.845	.068	-.028	-.135	-.232	-.360	-.743	-1.163	.250
	.350	.044	-.024	-.103	-.280	-.405	-.583	-.804	.017	-.094	-.195	-.285	-.397	-.514	-1.132	.350
	.450	.032	-.030	-.092	-.208	-.406	-.587	-.721	-.007	-.105	-.199	-.297	-.394	-.526	-1.020	.450
	.550	-.015	-.063	-.124	-.176	-.433	-.679	-.737	-.058	-.174	-.253	-.337	-.438	-.612	-1.058	.550
	.640	-.024	-.064	-.114	-.158	-.419	-.653	-.692	-.074	-.187	-.275	-.355	-.421	-.615	-.953	.640
	.740	-.033	-.063	-.102	-.139	-.133	-.658	-.644	-.071	-.078	-.356	-.460	-.567	-.683	-.909	.740
	.850	-.005	-.024	-.044	-.064	-.035	-.157	-.567	-.038	-.038	-.092	-.275	-.443	-.647	-.818	.850
	.900	.010	-.011	-.022	-.035	-.005	-.081	-.553	-.029	-.027	-.009	-.090	-.282	-.607	-.740	.900
	.922	.015	-.006	-.010	-.018	.008	-.052	-.529	-.027	-.020	.014	-.038	-.181	-.499	-.646	.922
Lower surface	.040	-.775	-.685	-.518	-.291	-.009	.256	.382	-.744	-.631	-.521	-.332	-.062	.231	.379	.040
	.090	-.752	-.640	-.458	-.197	-.007	.208	.328	-.717	-.596	-.469	-.211	-.066	.186	.328	.090
	.150	-.747	-.621	-.388	-.175	-.020	.161	.271	-.714	-.581	-.405	-.215	-.083	.137	.272	.150
	.250	-.750	-.582	-.292	-.122	.022	.145	.234	-.721	-.568	-.359	-.192	-.068	.118	.236	.250
	.340	-.760	-.533	-.219	-.102	-.001	.107	.187	-.746	-.553	-.350	-.221	-.106	.083	.186	.340
	.450	-.701	-.475	-.137	-.079	.014	.096	.152	-.762	-.546	-.322	-.192	-.062	.062	.149	.450
	.550	-.663	-.334	-.090	-.036	.024	.084	.123	-.768	-.483	-.292	-.167	-.039	.041	.118	.550
	.650	-.550	-.216	-.038	.002	.048	.089	.099	-.685	-.371	-.234	-.097	-.003	.035	.098	.650
	.800	-.278	-.088	.023	.043	.084	.093	.055	-.400	-.184	-.033	.043	.039	.027	.062	.800
	.874	-.127	-.038	.045	.053	.086	.081	.004	-.269	-.105	.028	.064	.042	-.002	.014	.874

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(d) 60-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 397 lb/sq ft							M = 1.125; q = 842 lb/sq ft							
Upper surface	.000	-.136	.109	.294	.459	.458	.078	-.461	-.014	.194	.342	.501	.503	.204	-.239	.000
	.020	.410	.342	.235	.089	-.173	-.939	-1.164	.429	.363	.283	.146	-.093	-.722	-.923	.020
	.077	.280	.199	.097	-.033	-.188	-.796	-1.052	.300	.227	.141	.034	-.121	-.616	-.818	.077
	.150	.185	.107	.010	-.102	-.229	-.760	-1.045	.208	.138	.054	-.034	-.164	-.599	-.820	.150
	.250	.102	.024	-.068	-.179	-.276	-.665	-1.014	.126	.055	-.028	-.107	-.201	-.561	-.801	.250
	.350	.041	-.029	-.128	-.220	-.318	-.422	-.990	.064	-.011	-.082	-.161	-.237	-.497	-.785	.350
	.450	.023	-.050	-.141	-.233	-.318	-.432	-.885	.050	-.026	-.101	-.173	-.241	-.325	-.699	.450
	.550	-.046	-.110	-.182	-.268	-.363	-.519	-.941	-.006	-.075	-.141	-.214	-.317	-.411	-.743	.550
	.640	-.054	-.133	-.212	-.282	-.350	-.531	-.897	-.027	-.097	-.157	-.205	-.290	-.421	-.732	.640
	.740	-.095	-.199	-.291	-.408	-.477	-.598	-.859	-.092	-.174	-.271	-.330	-.380	-.510	-.738	.740
	.850	-.073	-.139	-.239	-.324	-.413	-.562	-.769	-.051	-.137	-.202	-.286	-.342	-.483	-.699	.850
	.900	-.057	-.115	-.200	-.309	-.389	-.556	-.734	-.045	-.131	-.204	-.273	-.357	-.476	-.677	.900
	.922	-.047	-.096	-.166	-.273	-.357	-.539	-.706	-.042	-.122	-.199	-.264	-.355	-.470	-.644	.922
Lower surface	.040	-.637	-.555	-.453	-.270	-.012	.270	.425	-.558	-.455	-.391	-.216	.027	.275	.443	.040
	.090	-.608	-.516	-.398	-.145	-.007	.227	.375	-.519	-.416	-.339	-.094	.028	.232	.400	.090
	.150	-.600	-.502	-.336	-.153	-.021	.185	.322	-.509	-.410	-.261	-.089	.014	.187	.351	.150
	.250	-.600	-.487	-.285	-.136	-.009	.165	.288	-.497	-.380	-.206	-.077	.028	.177	.327	.250
	.340	-.618	-.473	-.279	-.158	-.057	.132	.242	-.493	-.349	-.215	-.110	-.025	.135	.286	.340
	.450	-.637	-.470	-.257	-.146	-.031	.114	.208	-.488	-.324	-.207	-.109	-.026	.142	.263	.450
	.550	-.661	-.437	-.236	-.127	-.027	.095	.176	-.503	-.317	-.193	-.099	-.025	.131	.240	.550
	.650	-.632	-.379	-.201	-.104	-.021	.088	.158	-.499	-.298	-.168	-.082	-.008	.133	.227	.650
	.800	-.435	-.249	-.111	-.036	.019	.078	.122	-.396	-.229	-.103	-.026	.042	.141	.201	.800
	.874	-.299	-.182	-.067	-.017	.021	.049	.083	-.306	-.189	-.076	-.010	.048	.119	.165	.874
		M = 1.000; q = 437 lb/sq ft														
Upper surface	.000	.048	.206	.343	.487	.502	.275	-.098								.000
	.020	.437	.373	.293	.154	-.043	-.552	-.781								.020
	.077	.310	.235	.157	.043	-.085	-.484	-.685								.077
	.150	.216	.136	.071	-.026	-.139	-.480	-.691								.150
	.250	.142	.065	-.004	-.082	-.175	-.460	-.684								.250
	.350	.082	.006	-.059	-.129	-.202	-.428	-.678								.350
	.450	.066	-.003	-.069	-.133	-.190	-.361	-.603								.450
	.550	.023	-.043	-.108	-.206	-.254	-.385	-.659								.550
	.640	-.006	-.054	-.102	-.181	-.275	-.379	-.644								.640
	.740	-.074	-.170	-.223	-.274	-.335	-.429	-.648								.740
	.850	-.044	-.108	-.188	-.264	-.314	-.421	-.641								.850
	.900	-.039	-.113	-.181	-.258	-.314	-.424	-.644								.900
	.922	-.037	-.109	-.171	-.252	-.307	-.415	-.615								.922
Lower surface	.040	-.496	-.464	-.383	-.208	.009	.264	.428								.040
	.090	-.462	-.425	-.338	-.113	.020	.222	.385								.090
	.150	-.421	-.399	-.245	-.087	.014	.185	.340								.150
	.250	-.386	-.343	-.170	-.066	.033	.178	.332								.250
	.340	-.369	-.305	-.177	-.097	-.025	.122	.299								.340
	.450	-.321	-.268	-.161	-.091	-.019	.144	.291								.450
	.550	-.309	-.256	-.146	-.067	-.001	.151	.277								.550
	.650	-.294	-.239	-.119	-.051	.013	.155	.273								.650
	.800	-.259	-.185	-.059	.004	.072	.186	.257								.800
	.874	-.216	-.158	-.034	.023	.085	.177	.226								.874

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(e) 80-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 308 lb/sq ft							M = 0.900; q = 350 lb/sq ft							
Upper surface	.036	.432	.390	.297	.157	-.180	-.620	-.504	.437	.392	.296	.144	-.231	-1.311	-.578	.036
	.084	.350	.290	.188	.060	-.183	-.609	-.494	.353	.292	.189	.045	-.229	-1.250	-.578	.084
	.150	.258	.195	.090	-.017	-.203	-.576	-.487	.262	.195	.088	-.038	-.255	-1.175	-.571	.150
	.260	.175	.115	.029	-.069	-.205	-.548	-.471	.177	.114	.023	-.090	-.255	-1.138	-.533	.260
	.350	.111	.058	-.016	-.106	-.215	-.510	-.458	.112	.054	-.023	-.129	-.269	-.851	-.513	.350
	.460	.052	.012	-.050	-.127	-.214	-.474	-.443	.059	.012	-.061	-.152	-.274	-.491	-.476	.460
	.550	.016	-.017	-.068	-.135	-.206	-.454	-.433	.020	-.017	-.081	-.158	-.260	-.391	-.471	.550
	.600	-.011	-.031	-.078	-.133	-.199	-.439	-.423	-.004	-.032	-.091	-.160	-.247	-.334	-.467	.600
	.660	-.032	-.039	-.079	-.128	-.186	-.413	-.418	-.027	-.040	-.095	-.152	-.227	-.286	-.459	.660
	.760	-.065	-.046	-.068	-.100	-.143	-.369	-.401	-.064	-.047	-.082	-.125	-.173	-.205	-.441	.760
	.860	-.132	-.062	-.055	-.074	-.094	-.323	-.388	-.125	-.058	-.066	-.088	-.112	-.130	-.431	.860
	.900	-.169	-.073	-.044	-.061	-.078	-.302	-.382	-.165	-.074	-.048	-.070	-.084	-.098	-.431	.900
Lower surface	.079	-.449	-.476	-.420	-.184	.041	.261	.329	-.436	-.480	-.432	-.216	.046	.265	.324	.079
	.160	-.436	-.463	-.406	-.124	.019	.197	.254	-.423	-.466	-.419	-.123	.017	.210	.252	.160
	.250	-.426	-.462	-.418	-.094	.040	.169	.208	-.420	-.468	-.426	-.089	.037	.177	.207	.250
	.350	-.416	-.478	-.415	-.060	.041	.142	.161	-.421	-.493	-.432	-.058	.039	.154	.164	.350
	.450	-.400	-.485	-.327	-.040	.048	.121	.123	-.403	-.515	-.378	-.035	.046	.139	.130	.450
	.550	-.410	-.500	-.185	-.020	.053	.103	.084	-.427	-.541	-.275	-.016	.048	.123	.090	.550
	.590	-.410	-.499	-.134	-.012	.062	.105	.078	-.430	-.539	-.225	-.004	.060	.128	.086	.590
	.690	-.431	-.492	-.022	.012	.071	.085	.045	-.438	-.535	-.088	.022	.073	.122	.050	.690
	.800	-.410	-.443	.037	.007	.070	.052	-.016	-.401	-.490	.016	.024	.073	.105	-.001	.800
		M = 0.940; q = 365 lb/sq ft							M = 0.980; q = 380 lb/sq ft							
Upper surface	.036	.422	.381	.298	.125	-.272	-1.245	-.728	.400	.323	.225	.106	-.131	-1.086	-1.281	.036
	.084	.339	.287	.191	.026	-.300	-1.171	-.640	.312	.217	.107	-.015	-.214	-.986	-1.235	.084
	.150	.246	.195	.094	-.053	-.339	-1.111	-.634	.223	.118	.000	-.117	-.280	-.938	-1.189	.150
	.260	.169	.109	.026	-.105	-.363	-1.063	-.595	.140	.040	-.078	-.196	-.323	-.904	-1.169	.260
	.350	.104	.057	-.029	-.146	-.404	-1.004	-.586	.078	-.008	-.141	-.256	-.373	-.881	-1.140	.350
	.460	.055	.009	-.065	-.171	-.423	-.907	-.562	.033	-.029	-.205	-.309	-.425	-.837	-1.092	.460
	.550	.018	-.022	-.084	-.175	-.346	-.679	-.542	.000	-.051	-.243	-.335	-.466	-.819	-1.081	.550
	.600	-.006	-.033	-.096	-.180	-.258	-.553	-.533	-.016	-.056	-.258	-.355	-.478	-.792	-1.046	.600
	.660	-.025	-.045	-.101	-.174	-.173	-.492	-.525	-.026	-.058	-.234	-.367	-.479	-.667	-.969	.660
	.760	-.058	-.051	-.088	-.143	-.133	-.413	-.509	-.034	-.050	-.009	-.380	-.461	-.613	-.837	.760
	.860	-.116	-.062	-.068	-.100	-.101	-.348	-.499	-.072	-.048	-.017	-.100	-.410	-.665	-.758	.860
	.900	-.152	-.070	-.051	-.081	-.078	-.316	-.495	-.104	-.055	-.009	-.010	-.387	-.679	-.745	.900
Lower surface	.079	-.532	-.517	-.450	-.219	.016	.228	.311	-.680	-.699	-.721	-.600	-.085	.174	.306	.079
	.160	-.506	-.490	-.434	-.143	-.001	.176	.239	-.643	-.665	-.701	-.414	-.088	.114	.224	.160
	.250	-.473	-.474	-.438	-.112	.028	.145	.198	-.612	-.630	-.662	-.249	-.036	.088	.189	.250
	.350	-.458	-.488	-.439	-.075	.038	.123	.154	-.596	-.621	-.607	-.096	-.024	.063	.149	.350
	.450	-.441	-.543	-.395	-.056	.044	.113	.121	-.561	-.638	-.506	-.024	-.004	.049	.123	.450
	.550	-.454	-.592	-.312	-.033	.051	.097	.087	-.524	-.672	-.362	.008	.003	.030	.090	.550
	.590	-.459	-.590	-.266	-.027	.063	.105	.084	-.503	-.669	-.293	.030	.019	.040	.090	.590
	.690	-.471	-.572	-.135	.001	.078	.095	.054	-.496	-.656	-.071	.063	.036	.030	.088	.690
	.800	-.433	-.510	-.011	-.005	.076	.071	.002	-.490	-.567	.105	.080	.032	.007	.021	.800

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(e) 70-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
		M = 1.030; q = 397 lb/sq ft						
Upper surface	.036	.413	.357	.275	.158	-.055	-.928	-1.142
	.084	.325	.255	.162	.044	-.149	-.841	-1.097
	.150	.231	.157	.060	-.059	-.208	-.803	-1.056
	.260	.146	.073	-.018	-.133	-.255	-.770	-1.028
	.350	.081	.006	-.077	-.191	-.297	-.751	-1.011
	.460	.023	-.056	-.140	-.253	-.346	-.726	-.993
	.550	-.021	-.097	-.183	-.288	-.391	-.701	-.974
	.600	-.041	-.121	-.202	-.304	-.408	-.697	-.964
	.660	-.069	-.140	-.226	-.315	-.417	-.638	-.953
	.760	-.098	-.160	-.266	-.334	-.446	-.529	-.930
	.860	-.112	-.185	-.286	-.371	-.469	-.585	-.853
	.900	-.098	-.181	-.298	-.381	-.447	-.597	-.825
Lower surface	.079	-.759	-.704	-.656	-.570	-.103	.212	.346
	.160	-.748	-.687	-.628	-.345	-.089	.155	.277
	.250	-.727	-.677	-.596	-.246	-.046	.132	.238
	.350	-.738	-.687	-.567	-.188	-.035	.111	.198
	.450	-.718	-.677	-.494	-.135	-.024	.094	.176
	.550	-.702	-.659	-.400	-.107	-.022	.072	.145
	.590	-.682	-.650	-.355	-.083	-.003	.082	.144
	.690	-.649	-.609	-.244	-.046	.009	.072	.124
	.800	-.595	-.548	-.140	-.035	.002	.046	.086
		M = 1.200; q = 437 lb/sq ft						
Upper surface	.036	.455	.404	.339	.221	.063	-.497	-.767
	.084	.365	.300	.228	.116	-.021	-.450	-.722
	.150	.278	.209	.140	.035	-.086	-.433	-.682
	.260	.194	.123	.059	-.029	-.133	-.442	-.675
	.350	.139	.064	.003	-.078	-.174	-.454	-.666
	.460	.084	.014	-.048	-.124	-.210	-.467	-.658
	.550	.045	-.020	-.080	-.167	-.247	-.492	-.680
	.600	.029	-.032	-.103	-.187	-.267	-.501	-.687
	.660	-.001	-.054	-.122	-.196	-.278	-.494	-.677
	.760	-.038	-.095	-.162	-.223	-.304	-.485	-.656
	.860	-.070	-.125	-.185	-.254	-.322	-.476	-.641
	.900	-.081	-.137	-.196	-.268	-.328	-.468	-.642
Lower surface	.079	-.692	-.691	-.622	-.502	-.136	.204	.399
	.160	-.674	-.654	-.588	-.256	-.108	.152	.344
	.250	-.616	-.561	-.489	-.185	-.068	.158	.315
	.350	-.556	-.480	-.249	-.161	-.050	.154	.294
	.450	-.515	-.420	-.198	-.134	-.031	.158	.284
	.550	-.490	-.377	-.181	-.120	-.021	.154	.257
	.590	-.454	-.360	-.172	-.097	-.002	.170	.267
	.690	-.392	-.321	-.154	-.060	.032	.181	.254
	.800	-.315	-.286	-.106	-.021	.064	.175	.227

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
M = 1.125; q = 421 lb/sq ft							
.436	.377	.308	.204	.010	-.704	-.913	.036
.349	.274	.200	.095	-.074	-.633	-.871	.084
.258	.180	.101	.003	-.141	-.603	-.829	.150
.181	.095	.017	-.063	-.184	-.589	-.816	.260
.116	.039	-.043	-.115	-.227	-.580	-.801	.350
.060	-.013	-.097	-.173	-.261	-.579	-.788	.460
.022	-.054	-.133	-.214	-.296	-.591	-.808	.550
-.000	-.072	-.149	-.221	-.313	-.587	-.816	.600
-.024	-.097	-.158	-.238	-.330	-.574	-.799	.660
-.048	-.132	-.195	-.279	-.351	-.557	-.767	.760
-.069	-.152	-.222	-.302	-.376	-.541	-.757	.860
-.076	-.160	-.232	-.312	-.385	-.535	-.755	.900
-.688	-.617	-.602	-.531	-.120	.244	.394	.079
-.678	-.591	-.521	-.274	-.106	.190	.332	.160
-.673	-.581	-.457	-.209	-.058	.179	.298	.250
-.686	-.583	-.405	-.175	-.028	.164	.267	.350
-.665	-.567	-.351	-.137	.001	.156	.247	.450
-.644	-.552	-.308	-.101	.015	.138	.219	.550
-.624	-.540	-.284	-.076	.035	.152	.222	.590
-.588	-.499	-.230	-.023	.062	.149	.207	.690
-.532	-.438	-.170	-.003	.071	.130	.172	.800
							.036
							.084
							.150
							.260
							.350
							.460
							.550
							.600
							.660
							.760
							.860
							.900
							.079
							.160
							.250
							.350
							.450
							.550
							.590
							.690
							.800

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(f) 95-percent-semispan station

	x/c	$\alpha = -4^\circ$	$\alpha = -2^\circ$	$\alpha = 0^\circ$	$\alpha = 2^\circ$	$\alpha = 4^\circ$	$\alpha = 8^\circ$	$\alpha = 12^\circ$	$\alpha = -4^\circ$	$\alpha = -2^\circ$	$\alpha = 0^\circ$	$\alpha = 2^\circ$	$\alpha = 4^\circ$	$\alpha = 8^\circ$	$\alpha = 12^\circ$	x/c
		M = 0.800; q = 308 lb/sq ft							M = 0.900; q = 350 lb/sq ft							
Upper surface	.080	.291	.268	.203	.106	-.126	-.435	-.347	.304	.278	.209	.095	-.183	-.582	-.410	.080
	.150	.216	.187	.121	.026	-.166	-.407	-.343	.229	.199	.129	.015	-.227	-.561	-.406	.150
	.250	.107	.079	.026	-.058	-.194	-.370	-.341	.118	.083	.026	-.073	-.250	-.530	-.400	.250
	.360	.035	.008	-.029	-.094	-.192	-.331	-.335	.041	.009	-.040	-.127	-.267	-.498	-.397	.360
	.450	-.027	-.040	-.066	-.114	-.180	-.299	-.331	-.033	-.055	-.084	-.154	-.235	-.467	-.394	.450
	.560	-.082	-.089	-.088	-.123	-.164	-.274	-.324	-.103	-.109	-.113	-.148	-.190	-.434	-.394	.560
	.650	-.115	-.115	-.092	-.111	-.144	-.247	-.322	-.144	-.135	-.109	-.126	-.160	-.400	-.390	.650
	.760															.760
	.800	-.162	-.151	-.087	-.085	-.109	-.216	-.322	-.207	-.181	-.106	-.090	-.116	-.357	-.393	.800
Lower surface	.110	-.193	-.226	-.344	-.228	-.009	.184	.231	-.224	-.243	-.341	-.256	.010	.232	.233	.110
	.190	-.181	-.207	-.325	-.146	-.002	.122	.154	-.215	-.223	-.323	-.155	.003	.164	.152	.190
	.260															.260
	.360	-.176	-.192	-.314	-.081	.005	.050	.056	-.219	-.211	-.314	-.087	-.001	.082	.049	.360
	.450	-.178	-.180	-.303	-.046	.019	.029	.012	-.225	-.199	-.307	-.045	.012	.045	-.002	.450
	.560	-.175	-.167	-.281	-.009	.039	.020	-.015	-.220	-.189	-.293	.000	.037	.028	-.037	.560
	.600	-.174	-.162	-.267	.007	.049	.011	-.028	-.219	-.184	-.283	.018	.041	.017	-.058	.600
	.710	-.172	-.153	-.219	.033	.062	.005	-.052	-.219	-.177	-.244	.045	.058	.005	-.081	.710
		M = 0.940; q = 365 lb/sq ft							M = 0.980; q = 380 lb/sq ft							
Upper surface	.080	.313	.294	.218	.086	-.249	-.604	-.460	.312	.282	.183	.036	-.222	-.984	-1.181	.080
	.150	.236	.217	.138	.009	-.259	-.570	-.458	.238	.206	.124	-.060	-.317	-.933	-1.146	.150
	.250	.128	.108	.028	-.081	-.238	-.526	-.449	.132	.093	.040	-.144	-.350	-.927	-1.134	.250
	.360	.043	.027	-.042	-.150	-.261	-.485	-.447	.053	.017	-.022	-.202	-.382	-.919	-1.121	.360
	.450	-.030	-.034	-.099	-.206	-.301	-.455	-.443	-.027	-.053	-.083	-.271	-.427	-.909	-1.105	.450
	.560	-.113	-.085	-.128	-.166	-.237	-.430	-.440	-.115	-.123	-.125	-.303	-.487	-.875	-1.085	.560
	.650	-.155	-.115	-.119	-.127	-.140	-.420	-.441	-.167	-.149	-.099	-.036	-.502	-.855	-1.052	.650
	.760															.760
	.800	-.231	-.167	-.112	-.094	-.119	-.407	-.443	-.244	-.209	-.089	-.017	-.387	-.793	-.946	.800
Lower surface	.110	-.289	-.289	-.341	-.268	.017	.192	.228	-.378	-.305	-.327	-.288	-.085	.129	.235	.110
	.190	-.274	-.275	-.315	-.177	.010	.127	.148	-.364	-.285	-.293	-.181	-.065	.077	.158	.190
	.260															.260
	.360	-.269	-.272	-.306	-.108	.001	.041	.047	-.357	-.306	-.261	-.113	-.056	.005	.066	.360
	.450	-.262	-.266	-.298	-.070	.009	-.005	-.010	-.342	-.321	-.249	-.061	-.048	-.043	.012	.450
	.560	-.255	-.270	-.300	-.018	.035	-.033	-.052	-.335	-.324	-.241	.002	-.007	-.086	-.045	.560
	.600	-.247	-.275	-.293	.002	.041	-.044	-.076	-.331	-.319	-.236	.021	.006	-.106	-.075	.600
	.710	-.240	-.284	-.273	.031	.060	-.060	-.106	-.317	-.306	-.222	.059	.029	-.123	-.120	.710

TABLE III.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Concluded

(f) 95-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 397 lb/sq ft							M = 1.125; q = 421 lb/sq ft							
Upper surface	.080	.320	.256	.181	.072	-.124	-.824	-1.087	.348	.289	.223	.133	-.015	-.602	-.840	.080
	.150	.253	.184	.098	-.028	-.226	-.788	-1.041	.286	.223	.141	.031	-.118	-.584	-.806	.150
	.250	.148	.075	-.006	-.108	-.267	-.786	-1.030	.190	.120	.055	-.041	-.165	-.584	-.800	.250
	.360	.074	.001	-.062	-.163	-.300	-.778	-1.012	.123	.070	-.002	-.090	-.203	-.585	-.791	.360
	.450	.002	-.079	-.131	-.220	-.345	-.779	-1.008	.051	.008	-.057	-.142	-.243	-.591	-.791	.450
	.560	-.080	-.187	-.239	-.315	-.414	-.778	-.986	-.046	-.091	-.143	-.218	-.304	-.595	-.787	.560
	.650	-.139	-.246	-.318	-.385	-.452	-.763	-.965	-.114	-.173	-.218	-.283	-.358	-.589	-.769	.650
	.760															.760
	.800	-.221	-.279	-.420	-.472	-.502	-.757	-.956	-.172	-.228	-.329	-.379	-.420	-.607	-.766	.800
Lower surface	.110	-.521	-.508	-.755	-.629	-.183	.150	.280	-.626	-.796	-.757	-.671	-.235	.196	.340	.110
	.190	-.490	-.477	-.716	-.458	-.165	.108	.215	-.594	-.774	-.754	-.522	-.183	.160	.284	.190
	.260															.260
	.360	-.460	-.453	-.656	-.326	-.131	.046	.126	-.560	-.722	-.681	-.336	-.138	.119	.216	.360
	.450	-.453	-.433	-.611	-.259	-.103	.007	.079	-.529	-.642	-.516	-.280	-.103	.098	.176	.450
	.560	-.438	-.410	-.583	-.175	-.056	-.035	.024	-.504	-.579	-.351	-.186	-.009	.064	.128	.560
	.600	-.430	-.399	-.558	-.130	-.036	-.058	-.005	-.494	-.557	-.285	-.128	.037	.044	.103	.600
	.710	-.410	-.371	-.475	-.075	-.024	-.081	-.049	-.481	-.514	-.170	-.054	.072	.018	.059	.710
		M = 1.200; q = 437 lb/sq ft														
Upper surface	.080	.359	.309	.250	.160	.040	-.431	-.698								.080
	.150	.294	.238	.165	.063	-.063	-.424	-.675								.150
	.250	.207	.143	.083	-.008	-.109	-.436	-.669								.250
	.360	.156	.094	.029	-.056	-.146	-.444	-.665								.360
	.450	.099	.048	-.012	-.097	-.183	-.456	-.665								.450
	.560	.014	-.029	-.081	-.159	-.231	-.468	-.660								.560
	.650	-.066	-.103	-.148	-.222	-.285	-.468	-.640								.650
	.760															.760
	.800	-.168	-.214	-.255	-.318	-.357	-.488	-.640								.800
Lower surface	.110	-.701	-.754	-.619	-.568	-.249	.196	.367								.110
	.190	-.677	-.713	-.594	-.570	-.199	.164	.317								.190
	.260															.260
	.360	-.692	-.708	-.602	-.347	-.149	.135	.262								.360
	.450	-.650	-.681	-.558	-.287	-.133	.131	.235								.450
	.560	-.623	-.662	-.506	-.218	-.085	.124	.196								.560
	.600	-.588	-.651	-.434	-.174	-.031	.109	.170								.600
	.710	-.460	-.586	-.256	-.062	.086	.087	.127								.710

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE

OF 1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY

(a) 12-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
Upper surface	.000	-.125	.143	.362	.500	.550	.531	.391	.051	.252	.419	.528	.578	.591	.522	.000
	.025	.395	.289	.178	.041	-.123	-.525	-1.378	.402	.301	.190	.064	-.077	-.491	-1.138	.025
	.072	.252	.159	.067	-.036	-.131	-.351	-.563	.263	.171	.081	-.012	-.093	-.271	-.499	.072
	.150	.129	.050	-.022	-.105	-.194	-.384	-.577	.130	.053	-.022	-.096	-.174	-.348	-.481	.150
	.250	.064	-.006	-.071	-.141	-.215	-.378	-.532	.062	-.007	-.077	-.145	-.212	-.344	-.483	.250
	.350	.012	-.051	-.111	-.176	-.243	-.395	-.551	.004	-.061	-.127	-.194	-.256	-.397	-.504	.350
	.450	-.020	-.078	-.132	-.192	-.250	-.384	-.508	-.031	-.093	-.155	-.221	-.281	-.422	-.534	.450
	.550	-.062	-.117	-.165	-.219	-.274	-.393	-.469	-.087	-.149	-.215	-.290	-.362	-.486	-.624	.550
	.650	-.047	-.094	-.133	-.179	-.224	-.312	-.364	-.069	-.123	-.176	-.240	-.348	-.484	-.611	.650
	.750	-.034	-.071	-.102	-.138	-.171	-.231	-.284	-.052	-.095	-.136	-.184	-.233	-.478	-.583	.750
	.840	-.024	-.056	-.078	-.102	-.127	-.162	-.209	-.042	-.076	-.106	-.136	-.158	-.387	-.383	.840
	.920	-.011	-.032	-.045	-.056	-.069	-.094	-.126	-.022	-.046	-.062	-.076	-.085	-.137	-.184	.920
Lower surface	.031	-.371	-.223	-.088	.042	.158	.366	.550	-.310	-.183	-.061	.054	.167	.372	.556	.031
	.072	-.307	-.197	-.088	.009	.104	.280	.448	-.266	-.166	-.071	.017	.109	.285	.454	.072
	.150	-.267	-.178	-.089	-.008	.067	.218	.361	-.250	-.166	-.085	-.009	.068	.223	.368	.150
	.250	-.260	-.185	-.105	-.034	.031	.165	.291	-.267	-.192	-.114	-.045	.025	.165	.293	.250
	.350															.350
	.450	-.271	-.206	-.141	-.081	-.029	.082	.183	-.300	-.237	-.171	-.108	-.046	.073	.180	.450
	.550	-.254	-.198	-.138	-.083	-.034	.064	.155	-.337	-.270	-.187	-.119	-.058	.054	.149	.550
	.650	-.226	-.181	-.129	-.081	-.039	.045	.123	-.362	-.269	-.178	-.118	-.065	.034	.114	.650
	.750	-.161	-.125	-.084	-.046	-.012	.059	.120	-.307	-.179	-.120	-.075	-.030	.048	.112	.750
	.850	-.101	-.075	-.045	-.015	.010	.067	.110	-.131	-.097	-.064	-.033	.000	.061	.103	.850
	.900	-.067	-.047	-.020	.004	.026	.077	.108	-.079	-.060	-.034	-.009	.021	.072	.102	.900
		M = 0.940; q = 730 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
Upper surface	.000	.120	.296	.449	.543	.593	.611	.565	.183	.343	.480	.572	.619	.641	.614	.000
	.025	.411	.306	.201	.084	-.050	-.432	-1.013	.431	.331	.228	.119	-.011	-.366	-.921	.025
	.072	.272	.180	.094	.008	-.069	-.227	-.450	.294	.207	.124	.045	-.030	-.176	-.390	.072
	.150	.138	.059	-.013	-.084	-.152	-.301	-.435	.158	.082	.015	-.048	-.122	-.255	-.379	.150
	.250	.064	-.009	-.075	-.139	-.193	-.319	-.435	.081	.013	-.049	-.102	-.159	-.274	-.374	.250
	.350	.004	-.066	-.128	-.185	-.255	-.362	-.468	.017	-.047	-.102	-.164	-.218	-.316	-.416	.350
	.450	-.036	-.103	-.163	-.220	-.275	-.396	-.500	-.029	-.087	-.140	-.193	-.251	-.352	-.444	.450
	.550	-.102	-.177	-.249	-.305	-.359	-.474	-.582	-.113	-.178	-.226	-.276	-.332	-.435	-.526	.550
	.650	-.085	-.150	-.241	-.312	-.361	-.470	-.573	-.101	-.185	-.235	-.284	-.343	-.428	-.521	.650
	.750	-.069	-.120	-.175	-.304	-.358	-.473	-.576	-.094	-.174	-.238	-.289	-.344	-.436	-.529	.750
	.840	-.059	-.096	-.128	-.222	-.362	-.493	-.563	-.106	-.177	-.254	-.310	-.366	-.462	-.550	.840
	.920	-.043	-.060	-.071	-.083	-.220	-.435	-.455	-.105	-.165	-.228	-.284	-.338	-.435	-.534	.920
Lower surface	.031	-.268	-.160	-.041	.065	.172	.373	.563	-.216	-.123	-.008	.095	.197	.393	.583	.031
	.072	-.231	-.148	-.056	.026	.115	.286	.460	-.183	-.106	-.025	.053	.139	.307	.482	.072
	.150	-.232	-.154	-.075	-.004	.067	.224	.374	-.200	-.121	-.050	.020	.091	.243	.396	.150
	.250	-.243	-.189	-.112	-.047	.022	.162	.298	-.211	-.152	-.089	-.029	.037	.177	.319	.250
	.350															.350
	.450	-.291	-.231	-.172	-.122	-.062	.062	.181	-.268	-.204	-.148	-.099	-.051	.071	.197	.450
	.550	-.324	-.271	-.216	-.151	-.083	.038	.149	-.302	-.250	-.192	-.147	-.090	.039	.162	.550
	.650	-.347	-.309	-.248	-.163	-.094	.013	.109	-.327	-.284	-.228	-.185	-.130	.003	.122	.650
	.750	-.358	-.313	-.212	-.103	-.055	.023	.105	-.336	-.292	-.241	-.196	-.141	.010	.118	.750
	.850	-.351	-.269	-.077	-.042	-.016	.034	.094	-.338	-.287	-.235	-.184	-.117	.021	.105	.850
	.900	-.306	-.171	-.035	-.015	.006	.043	.090	-.329	-.274	-.220	-.166	-.089	.029	.100	.900

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(a) 12-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 794 lb/sq ft							M = 1.125; q = 842 lb/sq ft							
Upper surface	.000	.261	.407	.530	.612	.662	.694	.657	.341	.459	.528	.596	.634	.681	.724	.000
	.025	.479	.374	.272	.163	.044	-.288	-.793	.411	.306	.215	.079	-.045	-.367	-.647	.025
	.072	.344	.254	.174	.095	.032	-.095	-.317	.311	.224	.165	.080	.009	-.162	-.346	.072
	.150	.212	.133	.066	.005	-.068	-.190	-.294	.199	.135	.073	-.006	-.071	-.165	-.259	.150
	.250	.137	.065	.003	-.049	-.095	-.196	-.296	.135	.074	.029	-.030	-.089	-.172	-.244	.250
	.350	.074	.009	-.055	-.109	-.155	-.237	-.335	.077	.015	-.029	-.083	-.136	-.212	-.276	.350
	.450	.031	-.025	-.084	-.141	-.189	-.270	-.364	.044	-.017	-.060	-.118	-.165	-.235	-.297	.450
	.550	-.059	-.115	-.172	-.223	-.265	-.352	-.444	-.039	-.096	-.137	-.187	-.231	-.303	-.367	.550
	.650	-.063	-.120	-.174	-.228	-.273	-.347	-.441	-.035	-.091	-.133	-.185	-.233	-.300	-.365	.650
	.750	-.054	-.121	-.181	-.232	-.276	-.358	-.448	-.045	-.097	-.140	-.193	-.239	-.308	-.363	.750
	.840	-.070	-.131	-.199	-.254	-.299	-.385	-.472	-.068	-.124	-.164	-.217	-.259	-.320	-.383	.840
	.920	-.060	-.113	-.176	-.229	-.273	-.362	-.460	-.040	-.098	-.138	-.188	-.231	-.304	-.375	.920
Lower surface	.031	-.138	-.059	.045	.142	.246	.446	.622	-.167	-.061	.007	.112	.203	.391	.594	.031
	.072	-.102	-.034	.028	.102	.188	.359	.523	-.098	-.025	.029	.098	.165	.321	.505	.072
	.150	-.131	-.065	-.003	.067	.139	.297	.439	-.115	-.047	.000	.075	.144	.283	.438	.150
	.250	-.137	-.095	-.040	.018	.088	.234	.365	-.117	-.062	-.019	.048	.100	.227	.371	.250
	.350															.350
	.450	-.194	-.148	-.099	-.046	.009	.127	.247	-.162	-.105	-.066	-.008	.044	.153	.269	.450
	.550	-.226	-.184	-.138	-.088	-.031	.091	.211	-.194	-.135	-.097	-.039	.009	.114	.237	.550
	.650	-.256	-.218	-.174	-.124	-.067	.051	.171	-.218	-.161	-.134	-.078	-.031	.081	.202	.650
	.750	-.262	-.223	-.182	-.137	-.078	.058	.165	-.219	-.167	-.131	-.078	-.036	.077	.206	.750
	.850	-.268	-.218	-.178	-.130	-.065	.074	.159	-.207	-.159	-.122	-.073	-.031	.088	.217	.850
	.900	-.259	-.207	-.165	-.115	-.047	.087	.159	-.191	-.145	-.110	-.061	-.013	.111	.227	.900
		M = 1.200; q = 873 lb/sq ft														
Upper surface	.000	.385	.473	.549	.603	.647	.695	.735								.000
	.025	.397	.302	.199	.089	-.013	-.321	-.580								.028
	.072	.310	.239	.163	.076	.009	-.175	-.341								.072
	.150	.189	.119	.057	.007	-.048	-.142	-.249								.150
	.250	.163	.107	.050	-.014	-.063	-.149	-.219								.250
	.350	.112	.058	.004	-.043	-.093	-.181	-.249								.350
	.450	.075	.027	-.023	-.074	-.120	-.197	-.263								.450
	.550	-.003	-.053	-.100	-.148	-.190	-.262	-.318								.550
	.650	-.002	-.054	-.106	-.149	-.188	-.255	-.323								.650
	.750	-.016	-.057	-.100	-.142	-.181	-.252	-.329								.750
	.840	-.046	-.089	-.132	-.175	-.212	-.284	-.347								.840
	.920	-.029	-.071	-.113	-.153	-.192	-.270	-.340								.920
Lower surface	.031	-.142	-.069	.015	.097	.185	.373	.567								.031
	.072	-.084	-.024	.036	.096	.163	.304	.484								.072
	.150	-.102	-.050	.009	.052	.113	.254	.436								.150
	.250	-.101	-.056	-.005	.046	.109	.230	.382								.250
	.350															.350
	.450	-.129	-.082	-.033	.009	.061	.168	.297								.450
	.550	-.156	-.116	-.070	-.023	.027	.137	.259								.550
	.650	-.186	-.145	-.100	-.057	-.003	.104	.215								.650
	.750	-.184	-.137	-.092	-.047	-.004	.083	.199								.750
	.850	-.165	-.144	-.102	-.060	-.020	.068	.193								.850
	.900	-.159	-.127	-.097	-.059	-.016	.085	.215								.900

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(b) 25-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
Upper surface	.000	-.194	.027	.229	.396	.373	-.144	-.835	-.084	.089	.265	.394	.405	.066	-.459	.000
	.027	.338	.242	.132	-.039	-.247	-.798	+1.266	.330	.241	.126	-.025	-.204	-.855	+1.110	.027
	.075	.193	.099	.001	-.130	-.273	-.586	+1.064	.186	.092	-.009	-.131	-.267	-.544	-.945	.075
	.140	.114	.030	-.060	-.167	-.287	-.538	-.936	.105	.019	-.073	-.178	-.299	-.538	-.788	.140
	.250	.035	-.038	-.111	-.194	-.282	-.475	-.813	.024	-.053	-.130	-.213	-.287	-.482	-.707	.250
	.350	-.028	-.097	-.163	-.239	-.317	-.499	-.720	-.051	-.128	-.207	-.294	-.370	-.500	-.695	.350
	.450	-.047	-.109	-.165	-.229	-.296	-.434	-.566	-.071	-.140	-.211	-.285	-.392	-.545	-.683	.450
	.550	-.044	-.099	-.144	-.199	-.253	-.358	-.473	-.067	-.128	-.187	-.260	-.379	-.540	-.670	.550
	.650	-.043	-.089	-.127	-.167	-.212	-.283	-.396	-.066	-.118	-.168	-.225	-.271	-.538	-.637	.650
	.750	-.024	-.059	-.086	-.117	-.148	-.194	-.298	-.042	-.082	-.116	-.151	-.181	-.463	-.553	.750
	.850	.011	-.015	-.031	-.050	-.067	-.095	-.180	-.002	-.028	-.047	-.067	-.078	-.127	-.252	.850
	.923	.030	.014	.007	-.003	-.011	-.024	-.095	.027	.008	.003	-.005	-.009	-.030	-.132	.923
Lower surface	.026	-.765	-.562	-.287	-.077	.096	.335	.465	-.769	-.573	-.291	-.089	.078	.325	.465	.026
	.074	-.753	-.464	-.163	-.036	.071	.252	.387	-.778	-.401	-.168	-.045	.057	.244	.384	.074
	.150	-.571	-.283	-.141	-.040	.046	.194	.317	-.582	-.275	-.153	-.056	.034	.187	.315	.150
	.250	-.272	-.216	-.128	-.052	.017	.147	.257	-.234	-.238	-.149	-.073	.002	.138	.251	.250
	.350	-.256	-.211	-.139	-.072	-.012	.106	.210	-.295	-.266	-.172	-.101	-.031	.095	.202	.350
	.450	-.248	-.202	-.141	-.081	-.027	.078	.169	-.331	-.279	-.193	-.120	-.053	.063	.160	.450
	.550	-.204	-.166	-.114	-.065	-.019	.072	.149	-.342	-.255	-.159	-.098	-.042	.059	.139	.550
	.650	-.165	-.134	-.090	-.049	-.012	.064	.128	-.323	-.183	-.124	-.077	-.032	.053	.117	.650
	.750	-.102	-.078	-.046	-.015	.014	.076	.121	-.127	-.105	-.067	-.034	.005	.070	.111	.750
	.850	-.054	-.041	-.016	.005	.024	.068	.093	-.057	-.052	-.028	-.005	.020	.062	.078	.850
	.900	-.023	-.013	.005	.021	.035	.068	.081	-.021	-.019	-.000	.014	.032	.063	.063	.900
		M = 0.940; q = 730 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
Upper surface	.000	-.029	.121	.282	.398	.418	.144	-.322	.029	.163	.306	.415	.441	.212	-.211	.000
	.027	.331	.239	.128	-.011	-.175	-.750	+1.245	.344	.253	.150	.026	-.133	-.658	+1.161	.027
	.075	.184	.090	-.010	-.125	-.246	-.485	+1.069	.196	.107	.011	-.097	-.216	-.415	+1.052	.075
	.140	.103	.016	-.075	-.177	-.283	-.496	-.638	.114	.035	-.054	-.142	-.245	-.441	-.553	.140
	.250	.019	-.061	-.134	-.202	-.289	-.468	-.600	.027	-.044	-.107	-.181	-.266	-.421	-.526	.250
	.350	-.064	-.149	-.227	-.291	-.347	-.475	-.609	-.067	-.140	-.199	-.254	-.308	-.430	-.538	.350
	.450	-.088	-.167	-.247	-.325	-.391	-.524	-.646	-.099	-.167	-.236	-.299	-.365	-.483	-.585	.450
	.550	-.084	-.152	-.248	-.340	-.397	-.520	-.631	-.089	-.194	-.255	-.311	-.370	-.479	-.578	.550
	.650	-.088	-.150	-.215	-.334	-.407	-.538	-.610	-.124	-.201	-.263	-.328	-.393	-.504	-.603	.650
	.750	-.062	-.103	-.141	-.262	-.400	-.521	-.596	-.117	-.214	-.271	-.329	-.385	-.486	-.583	.750
	.850	-.018	-.037	-.049	-.056	-.206	-.449	-.532	-.078	-.161	-.232	-.294	-.359	-.464	-.547	.850
	.923	.011	.007	.004	.007	-.021	-.188	-.287	-.088	-.135	-.193	-.237	-.278	-.377	-.500	.923
Lower surface	.026	-.717	-.561	-.286	-.094	.068	.315	.469	-.653	-.536	-.273	-.080	.080	.326	.487	.026
	.074	-.719	-.376	-.164	-.046	.049	.238	.387	-.647	-.320	-.162	-.032	.062	.249	.405	.074
	.150	-.536	-.275	-.155	-.060	.025	.178	.317	-.485	-.239	-.139	-.046	.038	.190	.334	.150
	.250	-.246	-.224	-.151	-.084	-.012	.127	.253	-.228	-.199	-.121	-.065	-.002	.136	.270	.250
	.350	-.295	-.261	-.195	-.125	-.052	.080	.200	-.272	-.240	-.169	-.118	-.051	.083	.215	.350
	.450	-.316	-.287	-.218	-.159	-.082	.043	.157	-.295	-.260	-.196	-.146	-.096	.039	.168	.450
	.550	-.331	-.303	-.233	-.137	-.070	.036	.132	-.316	-.275	-.216	-.168	-.110	.026	.143	.550
	.650	-.365	-.326	-.218	-.104	-.056	.026	.107	-.349	-.306	-.250	-.198	-.134	.012	.117	.650
	.750	-.338	-.275	-.080	-.044	-.014	.041	.100	-.329	-.283	-.223	-.168	-.106	.023	.108	.750
	.850	-.294	-.097	-.023	-.010	.006	.023	.057	-.329	-.283	-.227	-.177	-.103	-.002	.063	.850
	.900	-.117	-.025	.005	.014	.022	.015	.034	-.323	-.270	-.217	-.170	-.084	-.021	.033	.900

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(b) 25-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 794 lb/sq ft							M = 1.125; q = 842 lb/sq ft							
Upper surface	.000	.110	.229	.351	.454	.488	.284	-.114	.191	.311	.394	.477	.502	.363	.072	.000
	.027	.391	.296	.197	.077	-.069	-.556	+1.019	.383	.264	.222	.080	-.069	-.498	-.830	.027
	.075	.246	.153	.059	-.039	-.149	-.321	-.916	.239	.150	.079	-.027	-.131	-.363	-.760	.075
	.140	.168	.084	-.004	-.094	-.183	-.352	-.487	.167	.084	.023	-.071	-.158	-.288	-.650	.140
	.250	.082	.016	-.056	-.134	-.203	-.336	-.451	.099	.020	-.035	-.109	-.177	-.286	-.348	.250
	.350	-.013	-.076	-.138	-.188	-.239	-.345	-.460	.015	-.042	-.086	-.144	-.196	-.293	-.348	.350
	.450	-.042	-.110	-.180	-.244	-.297	-.402	-.506	-.025	-.093	-.141	-.203	-.261	-.346	-.410	.450
	.550	-.067	-.132	-.195	-.251	-.300	-.396	-.499	-.041	-.105	-.149	-.206	-.258	-.330	-.403	.550
	.650	-.078	-.138	-.208	-.274	-.325	-.426	-.521	-.045	-.117	-.165	-.231	-.283	-.361	-.436	.650
	.750	-.091	-.152	-.214	-.270	-.313	-.405	-.504	-.061	-.114	-.156	-.207	-.258	-.339	-.412	.750
	.850	-.053	-.115	-.179	-.245	-.292	-.389	-.490	-.037	-.097	-.144	-.199	-.250	-.326	-.394	.850
	.923	-.060	-.106	-.157	-.213	-.251	-.329	-.445	-.032	-.084	-.125	-.178	-.226	-.292	-.340	.923
Lower surface	.026	-.539	-.461	-.204	-.027	.127	.377	.527	-.434	-.386	-.192	.011	.154	.384	.530	.026
	.074	-.517	-.245	-.099	.012	.110	.302	.447	-.363	-.180	-.083	.045	.123	.300	.454	.074
	.150	-.431	-.180	-.091	-.002	.090	.244	.377	-.257	-.111	-.058	.033	.106	.256	.394	.150
	.250	-.177	-.138	-.072	-.008	.055	.189	.314	-.197	-.080	-.026	.054	.108	.212	.339	.250
	.350	-.204	-.179	-.119	-.060	.002	.136	.262	-.184	-.131	-.071	-.011	.042	.166	.291	.350
	.450	-.225	-.194	-.140	-.088	-.029	.090	.216	-.194	-.150	-.089	-.032	.019	.130	.248	.450
	.550	-.243	-.211	-.159	-.108	-.048	.076	.193	-.205	-.147	-.109	-.053	.002	.116	.230	.550
	.650	-.274	-.237	-.193	-.139	-.076	.061	.168	-.220	-.166	-.127	-.073	-.025	.085	.210	.650
	.750	-.259	-.216	-.171	-.114	-.048	.077	.162	-.215	-.157	-.119	-.061	-.012	.102	.218	.750
	.850	-.261	-.215	-.173	-.121	-.057	.057	.122	-.209	-.149	-.122	-.066	-.020	.089	.195	.850
	.900	-.262	-.210	-.170	-.119	-.057	.044	.097	-.211	-.148	-.121	-.068	-.022	.087	.180	.900
		M = 1.000; q = 873 lb/sq ft														
Upper surface	.000	.256	.351	.439	.502	.519	.435	.176								.000
	.027	.395	.326	.229	.107	-.014	-.396	-.695								.027
	.075	.253	.174	.091	.001	-.087	-.324	-.655								.075
	.140	.178	.114	.044	-.038	-.119	-.262	-.601								.140
	.250	.113	.051	-.013	-.077	-.135	-.254	-.314								.250
	.350	.050	-.001	-.048	-.101	-.157	-.265	-.331								.350
	.450	-.003	-.057	-.116	-.174	-.225	-.315	-.383								.450
	.550	-.015	-.071	-.125	-.179	-.225	-.302	-.371								.550
	.650	-.044	-.098	-.152	-.200	-.242	-.326	-.407								.650
	.750	-.038	-.085	-.129	-.177	-.222	-.302	-.382								.750
	.850	-.024	-.080	-.131	-.174	-.215	-.297	-.368								.850
	.923	-.013	-.060	-.108	-.157	-.201	-.279	-.347								.923
Lower surface	.026	-.397	-.367	-.167	.001	.134	.350	.533								.026
	.074	-.324	-.165	-.060	.031	.117	.286	.459								.074
	.150	-.219	-.115	-.035	.033	.111	.243	.402								.150
	.250	-.172	-.086	-.022	.038	.098	.221	.354								.250
	.350	-.158	-.095	-.046	.003	.053	.169	.307								.350
	.450	-.175	-.124	-.072	-.020	.032	.138	.262								.450
	.550	-.191	-.147	-.099	-.049	.007	.128	.242								.550
	.650	-.200	-.158	-.106	-.059	-.012	.086	.204								.650
	.750	-.179	-.158	-.109	-.061	-.011	.097	.212								.750
	.850	-.168	-.129	-.088	-.062	-.015	.081	.206								.850
	.900	-.170	-.132	-.085	-.047	-.014	.076	.208								.900

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(c) 40-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
Upper surface	.000	.169	.238	.318	.348	-.051	+1.127	+1.341	.206	.261	.327	.354	.043	+1.120	+1.418	.000
	.030	.393	.323	.222	.028	-.266	+1.068	+1.345	.378	.306	.201	.025	-.235	+1.277	+1.422	.030
	.078	.232	.143	.038	-.109	-.292	-.853	+1.315	.212	.122	.012	-.125	-.308	-.761	+1.382	.078
	.150	.146	.064	-.027	-.148	-.277	-.688	+1.319	.125	.040	-.059	-.183	-.301	-.617	+1.237	.150
	.260	.074	.000	-.075	-.174	-.278	-.539	+1.303	.055	-.024	-.113	-.222	-.326	-.589	+1.133	.260
	.350	.027	-.040	-.109	-.189	-.279	-.470	+1.158	.006	-.067	-.147	-.245	-.378	-.578	+1.019	.350
	.450	-.004	-.065	-.122	-.192	-.268	-.409	-.880	-.026	-.091	-.162	-.249	-.385	-.590	-.852	.450
	.550	-.020	-.074	-.123	-.179	-.241	-.344	-.637	-.040	-.099	-.158	-.224	-.268	-.618	-.697	.550
	.660	-.025	-.069	-.107	-.150	-.199	-.270	-.438	-.044	-.091	-.138	-.191	-.240	-.572	-.597	.660
	.750	-.021	-.056	-.085	-.117	-.152	-.197	-.297	-.037	-.074	-.107	-.143	-.173	-.237	-.440	.750
	.860	.012	-.014	-.030	-.050	-.070	-.100	-.174	.002	-.024	-.042	-.061	-.076	-.075	-.317	.860
	.930	.023	.003	-.004	-.013	-.025	-.042	-.115	.015	-.001	-.009	-.017	-.022	-.013	-.230	.930
Lower surface	.032	-.892	-.725	-.395	-.146	.094	.339	.448	-.966	-.918	-.399	-.181	.057	.315	.435	.032
	.083	-.751	-.516	-.220	-.081	.060	.251	.375	-.729	-.502	-.237	-.103	.035	.239	.359	.083
	.160	-.746	-.408	-.190	-.066	.034	.191	.309	-.706	-.402	-.220	-.097	.009	.170	.292	.160
	.240	-.732	-.334	-.175	-.077	.001	.135	.241	-.734	-.393	-.226	-.117	-.028	.115	.225	.240
	.360	-.449	-.252	-.156	-.079	-.016	.099	.189	-.594	-.352	-.210	-.119	-.043	.080	.174	.360
	.450	-.234	-.195	-.124	-.063	-.008	.089	.164	-.456	-.272	-.166	-.095	-.031	.072	.149	.450
	.550	-.125	-.131	-.077	-.028	.015	.095	.154	-.262	-.163	-.100	-.047	.003	.084	.143	.550
	.660	-.061	-.072	-.030	.010	.043	.108	.150	-.106	-.085	-.041	-.002	.037	.102	.140	.660
	.750	-.010	-.023	.010	.042	.067	.118	.143	-.027	-.029	.003	.035	.065	.115	.133	.750
	.840	.013	.000	.025	.049	.068	.106	.117	.004	-.003	.022	.045	.070	.106	.101	.840
	.910	.028	.017	.034	.049	.061	.087	.084	.025	.015	.035	.048	.066	.089	.055	.910
		M = 0.940; q = 730 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
Upper surface	.000	.229	.275	.331	.362	.107	+1.003	+1.321	.263	.301	.349	.383	.167	-.856	+1.235	.000
	.030	.372	.296	.191	.033	-.203	+1.157	+1.373	.373	.302	.206	.064	-.148	+1.029	+1.319	.030
	.078	.201	.108	.001	-.126	-.298	-.752	+1.329	.200	.113	.018	-.098	-.254	-.659	+1.227	.078
	.150	.112	.024	-.077	-.189	-.294	-.541	+1.225	.108	.028	-.062	-.172	-.278	-.482	+1.157	.150
	.260	.039	-.049	-.146	-.230	-.320	-.549	-.842	.027	-.056	-.118	-.204	-.310	-.499	-.804	.260
	.350	-.011	-.095	-.201	-.292	-.367	-.564	-.754	-.030	-.122	-.196	-.261	-.343	-.512	-.685	.350
	.450	-.043	-.121	-.209	-.334	-.406	-.568	-.703	-.075	-.165	-.243	-.312	-.379	-.521	-.638	.450
	.550	-.058	-.124	-.182	-.343	-.438	-.608	-.680	-.090	-.180	-.261	-.346	-.436	-.565	-.655	.550
	.660	-.062	-.113	-.166	-.274	-.426	-.585	-.649	-.123	-.188	-.278	-.343	-.416	-.550	-.649	.660
	.750	-.052	-.087	-.116	-.121	-.421	-.592	-.642	-.121	-.214	-.296	-.366	-.434	-.559	-.663	.750
	.860	-.004	-.026	-.042	-.049	-.071	-.283	-.446	-.083	-.166	-.247	-.333	-.404	-.526	-.634	.860
	.930	.012	.003	-.006	-.009	.005	-.122	-.316	-.052	-.054	-.099	-.171	-.244	-.381	-.514	.930
Lower surface	.032	-.989	-.958	-.404	-.204	.028	.296	.436	-.900	-.970	-.398	-.209	.025	.295	.449	.032
	.083	-.673	-.493	-.237	-.119	.013	.223	.354	-.587	-.456	-.222	-.112	.013	.221	.364	.083
	.160	-.616	-.375	-.231	-.119	-.016	.151	.285	-.549	-.345	-.206	-.112	-.021	.150	.295	.160
	.240	-.600	-.371	-.258	-.158	-.059	.093	.216	-.491	-.339	-.229	-.154	-.080	.085	.221	.240
	.360	-.548	-.377	-.283	-.166	-.078	.053	.166	-.504	-.351	-.265	-.199	-.128	.038	.167	.360
	.450	-.482	-.382	-.276	-.128	-.060	.044	.138	-.483	-.359	-.283	-.219	-.147	.025	.141	.450
	.550	-.432	-.362	-.134	-.061	-.018	.057	.132	-.443	-.345	-.275	-.210	-.134	.038	.133	.550
	.660	-.374	-.241	-.033	-.007	.023	.072	.129	-.395	-.312	-.239	-.165	-.052	.050	.128	.660
	.750	-.188	-.043	.012	.034	.057	.085	.118	-.331	-.252	-.177	-.099	-.001	.055	.116	.750
	.840	-.044	.012	.031	.047	.064	.069	.084	-.278	-.200	-.129	-.063	.002	.021	.070	.840
	.910	.019	.033	.040	.052	.064	.044	.036	-.171	-.111	-.053	-.022	-.005	-.023	.009	.910

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(c) 40-percent-semispan statio - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 794 lb/sq ft							M = 1.125; q = 842 lb/sq ft							
Upper surface	.000	.320	.355	.391	.425	.233	-.718	+1.081	.366	.399	.430	.424	.269	-.513	-.844	.000
	.030	.417	.347	.249	.117	-.078	-.886	+1.164	.414	.338	.274	.141	-.103	-.696	-.941	.030
	.078	.247	.163	.062	-.043	-.183	-.598	+1.080	.245	.156	.090	-.009	-.156	-.571	-.862	.078
	.150	.159	.085	-.008	-.110	-.207	-.407	+1.018	.171	.088	.018	-.080	-.153	-.384	-.813	.150
	.260	.074	.010	-.067	-.153	-.235	-.417	-.737	.101	.029	-.038	-.112	-.217	-.341	-.786	.260
	.350	.009	-.062	-.129	-.202	-.274	-.423	-.593	.033	-.033	-.085	-.176	-.252	-.376	-.549	.350
	.450	-.034	-.107	-.180	-.246	-.310	-.435	-.553	-.015	-.078	-.125	-.197	-.268	-.397	-.495	.450
	.550	-.046	-.124	-.207	-.290	-.363	-.479	-.570	-.036	-.118	-.179	-.248	-.313	-.405	-.486	.550
	.660	-.076	-.144	-.213	-.282	-.345	-.469	-.568	-.055	-.121	-.171	-.240	-.302	-.400	-.480	.660
	.750	-.099	-.162	-.234	-.301	-.362	-.477	-.582	-.080	-.142	-.193	-.257	-.319	-.418	-.490	.750
	.860	-.076	-.129	-.205	-.279	-.337	-.452	-.557	-.053	-.128	-.175	-.242	-.302	-.391	-.467	.860
	.930	-.079	-.117	-.166	-.229	-.283	-.358	-.500	-.044	-.116	-.167	-.230	-.285	-.348	-.447	.930
Lower surface	.032	-.839	-.781	-.395	-.138	.077	.340	.491	-.801	-.716	-.557	-.082	.080	.352	.501	.032
	.083	-.499	-.386	-.171	-.053	.072	.271	.407	-.536	-.287	-.141	-.026	.105	.292	.425	.083
	.160	-.470	-.282	-.153	-.050	.039	.200	.342	-.397	-.204	-.114	.000	.081	.227	.363	.160
	.240	-.414	-.270	-.167	-.091	-.016	.133	.268	-.336	-.208	-.123	-.031	.032	.155	.293	.240
	.360	-.429	-.278	-.203	-.138	-.065	.083	.216	-.317	-.205	-.144	-.076	-.025	.104	.244	.360
	.450	-.410	-.288	-.222	-.159	-.084	.072	.189	-.301	-.215	-.170	-.105	-.048	.089	.228	.450
	.550	-.367	-.275	-.215	-.152	-.078	.089	.185	-.282	-.204	-.159	-.094	-.039	.092	.238	.550
	.660	-.323	-.245	-.184	-.116	-.033	.106	.183	-.256	-.185	-.143	-.072	-.015	.121	.249	.660
	.750	-.267	-.190	-.129	-.057	.025	.114	.172	-.209	-.143	-.097	-.027	.037	.174	.249	.750
	.840	-.236	-.157	-.096	-.034	.023	.083	.128	-.171	-.104	-.058	.010	.064	.160	.215	.840
	.910	-.193	-.124	-.081	-.039	-.000	.034	.068	-.153	-.087	-.050	.007	.049	.120	.162	.910
		M = 1.200; q = 873 lb/sq ft														
Upper surface	.000	.424	.439	.472	.475	.340	-.323	-.696								.000
	.030	.451	.391	.317	.174	-.024	-.539	-.798								.030
	.078	.279	.208	.136	.054	-.105	-.437	-.732								.078
	.150	.193	.128	.050	-.028	-.103	-.285	-.699								.150
	.260	.128	.057	-.001	-.082	-.157	-.316	-.676								.260
	.350	.066	.009	-.059	-.128	-.190	-.317	-.642								.350
	.450	.021	-.031	-.091	-.156	-.226	-.349	-.471								.450
	.550	-.025	-.089	-.145	-.207	-.259	-.367	-.437								.550
	.660	-.036	-.091	-.149	-.206	-.256	-.360	-.429								.660
	.750	-.064	-.116	-.169	-.225	-.278	-.363	-.440								.750
	.860	-.051	-.101	-.153	-.208	-.257	-.349	-.431								.860
	.930	-.051	-.101	-.148	-.198	-.241	-.332	-.419								.930
Lower surface	.032	-.741	-.665	-.473	-.090	.090	.360	.524								.032
	.083	-.674	-.484	-.087	-.009	.107	.309	.447								.083
	.160	-.299	-.162	-.078	.020	.100	.250	.382								.160
	.240	-.224	-.157	-.084	-.007	.057	.180	.307								.240
	.360	-.217	-.168	-.105	-.047	.007	.120	.245								.360
	.450	-.246	-.192	-.135	-.086	-.030	.087	.213								.450
	.550	-.253	-.203	-.141	-.083	-.029	.079	.214								.550
	.660	-.229	-.192	-.134	-.078	-.021	.089	.243								.660
	.750	-.180	-.142	-.099	-.052	.004	.117	.294								.750
	.840	-.154	-.103	-.050	-.005	.041	.155	.268								.840
	.910	-.143	-.089	-.036	.012	.057	.156	.221								.910

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(d) 60-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
Upper surface	.000	-.423	-.104	.224	.460	.410	-.389	-.700	-.416	-.048	.249	.457	.413	-.269	-.727	.000
	.020	.418	.355	.253	.061	-.292	-.914	-.796	.403	.339	.231	.043	-.349	+1.427	-.936	.020
	.077	.290	.207	.104	-.046	-.258	-.844	-.789	.274	.191	.081	-.070	-.315	+1.264	-.895	.077
	.150	.206	.126	.036	-.086	-.244	-.765	-.785	.191	.108	.010	-.119	-.300	+1.143	-.884	.150
	.250	.128	.053	-.021	-.125	-.247	-.668	-.772	.114	.039	-.047	-.161	-.314	-.638	-.845	.250
	.350	.076	.011	-.055	-.141	-.241	-.565	-.736	.065	-.006	-.080	-.179	-.292	-.613	-.809	.350
	.450	.047	-.012	-.068	-.139	-.222	-.441	-.689	.037	-.027	-.091	-.172	-.262	-.641	-.748	.450
	.550	.014	-.037	-.086	-.145	-.215	-.352	-.657	.004	-.053	-.109	-.177	-.251	-.655	-.703	.550
	.640	.003	-.040	-.082	-.130	-.187	-.278	-.620	-.005	-.054	-.102	-.159	-.216	-.289	-.649	.640
	.740	-.010	-.044	-.077	-.112	-.153	-.202	-.584	-.015	-.055	-.091	-.132	-.169	-.116	-.591	.740
	.850	.022	-.005	-.027	-.047	-.071	-.112	-.530	.020	-.011	-.035	-.058	-.075	-.039	-.526	.850
	.900	.033	.007	-.011	-.026	-.044	-.079	-.510	.032	.003	-.017	-.034	-.042	-.013	-.500	.900
	.922	.035	.008	-.008	-.019	-.032	-.065	-.506	.036	.003	-.013	-.022	-.029	-.005	-.489	.922
Lower surface	.040	-.721	-.607	-.425	-.148	.070	.305	.405	-.838	-.648	-.450	-.181	.042	.272	.379	.040
	.090	-.708	-.587	-.379	-.092	.055	.247	.351	-.817	-.619	-.414	-.118	.034	.224	.327	.090
	.150	-.701	-.575	-.359	-.082	.051	.208	.304	-.797	-.599	-.359	-.105	.033	.188	.283	.150
	.250	-.704	-.577	-.265	-.038	.054	.179	.254	-.777	-.612	-.299	-.059	.042	.164	.236	.250
	.340	-.733	-.560	-.161	-.046	.032	.142	.206	-.785	-.605	-.201	-.059	.021	.130	.189	.340
	.450	-.714	-.406	-.094	-.026	.037	.125	.171	-.788	-.453	-.120	-.036	.030	.117	.156	.480
	.550	-.644	-.210	-.060	-.006	.040	.112	.140	-.740	-.266	-.078	-.017	.035	.108	.125	.550
	.650	-.419	-.056	-.020	.022	.057	.113	.117	-.542	-.104	-.031	.014	.056	.114	.102	.650
	.800	-.002	.051	.030	.058	.078	.110	.061	-.039	.029	.027	.055	.082	.119	.047	.800
	.874	.103	.068	.044	.062	.074	.094	.002	.127	.054	.044	.063	.082	.109	-.008	.874
		M = 0.940; q = 750 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
Upper surface	.000	-.326	-.006	.241	.432	.422	-.114	-.651	-.220	.055	.255	.405	.416	.010	-.552	.000
	.020	.385	.308	.201	.024	-.300	+1.261	-.934	.364	.282	.187	.033	-.226	+1.123	+1.344	.020
	.077	.253	.161	.050	-.098	-.316	+1.104	-.924	.227	.128	.032	-.096	-.269	-.965	+1.253	.077
	.150	.170	.081	-.020	-.159	-.320	+1.027	-.905	.141	.041	-.050	-.156	-.282	-.902	+1.202	.150
	.250	.096	.014	-.074	-.233	-.379	-.589	-.875	.057	-.032	-.130	-.225	-.352	-.562	+1.156	.250
	.350	.047	-.027	-.102	-.269	-.400	-.564	-.840	.003	-.098	-.190	-.281	-.391	-.537	+1.137	.350
	.450	.022	-.043	-.104	-.205	-.427	-.599	-.787	-.028	-.126	-.210	-.309	-.413	-.553	+1.096	.450
	.550	-.008	-.065	-.119	-.170	-.435	-.663	-.759	-.067	-.177	-.248	-.332	-.427	-.607	+1.038	.550
	.640	-.017	-.063	-.112	-.161	-.414	-.630	-.719	-.077	-.195	-.270	-.348	-.418	-.614	-.866	.640
	.740	-.025	-.059	-.096	-.133	-.112	-.705	-.666	-.070	-.079	-.346	-.450	-.568	-.675	-.834	.740
	.850	.007	-.016	-.036	-.055	-.034	-.176	-.600	-.033	-.024	-.045	-.266	-.428	-.638	-.766	.850
	.900	.015	-.006	-.017	-.029	-.011	-.098	-.574	-.025	-.016	.016	-.076	-.212	-.619	-.675	.900
	.922	.014	-.006	-.012	-.019	-.001	-.071	-.561	-.029	-.017	.030	-.028	-.132	-.532	-.604	.922
Lower surface	.040	-.817	-.669	-.527	-.211	-.010	.233	.363	-.746	-.619	-.519	-.278	-.077	.202	.346	.040
	.090	-.805	-.644	-.495	-.156	-.003	.189	.313	-.735	-.592	-.480	-.229	-.064	.164	.304	.090
	.150	-.806	-.626	-.412	-.136	-.004	.156	.267	-.733	-.579	-.425	-.225	-.082	.128	.260	.150
	.250	-.811	-.596	-.318	-.085	.014	.132	.222	-.744	-.561	-.403	-.203	-.074	.105	.218	.250
	.340	-.816	-.552	-.210	-.072	-.002	.097	.176	-.766	-.549	-.363	-.234	-.118	.083	.164	.340
	.450	-.756	-.438	-.126	-.040	.014	.085	.140	-.775	-.534	-.322	-.207	-.073	.043	.129	.450
	.550	-.676	-.294	-.080	-.021	.024	.075	.109	-.769	-.473	-.292	-.183	-.051	.023	.095	.550
	.650	-.539	-.176	-.031	.014	.048	.081	.091	-.679	-.364	-.228	-.120	-.007	.016	.074	.650
	.800	-.265	-.058	.029	.057	.084	.088	.045	-.390	-.172	-.009	.043	.037	.006	.036	.800
	.874	-.126	-.024	.044	.066	.086	.077	-.008	-.259	-.097	.045	.062	.039	-.021	-.006	.874

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(d) 60-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°		α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 794 lb/sq ft								M = 1.195; q = 671 lb/sq ft							
Upper surface	.000	-.110	.128	.306	.446	.465	.104	-.409		.025	.256	.371	.525	.509	.232	-.201	.000
	.020	.395	.330	.231	.092	-.164	-.964	-1.204		.416	.343	.277	.115	-.136	-.741	-.981	.020
	.077	.258	.182	.086	-.038	-.193	-.826	-1.100		.280	.200	.127	.002	-.155	-.646	-.876	.077
	.150	.173	.098	.011	-.097	-.208	-.771	-1.057		.198	.119	.056	-.036	-.157	-.617	-.840	.150
	.250	.090	.017	-.068	-.175	-.272	-.508	-1.017		.119	.042	-.026	-.118	-.215	-.572	-.811	.250
	.350	.028	-.033	-.126	-.216	-.318	-.455	-1.000		.054	-.022	-.083	-.171	-.248	-.385	-.801	.350
	.450	-.002	-.072	-.158	-.249	-.339	-.457	-.965		.022	-.057	-.118	-.205	-.276	-.374	-.775	.450
	.550	-.061	-.117	-.183	-.263	-.355	-.517	-.967		-.019	-.087	-.141	-.227	-.331	-.407	-.788	.550
	.640	-.065	-.138	-.210	-.280	-.343	-.535	-.768		-.037	-.108	-.152	-.215	-.305	-.419	-.782	.640
	.740	-.096	-.203	-.286	-.402	-.474	-.586	-.731		-.101	-.193	-.273	-.334	-.387	-.505	-.665	.740
	.850	-.070	-.140	-.237	-.321	-.405	-.553	-.677		-.058	-.144	-.199	-.296	-.369	-.472	-.581	.850
	.900	-.055	-.113	-.201	-.307	-.387	-.552	-.638		-.047	-.141	-.202	-.283	-.368	-.460	-.561	.900
	.922	-.052	-.098	-.170	-.278	-.364	-.548	-.587		-.051	-.142	-.205	-.284	-.374	-.468	-.547	.922
Lower surface	.040	-.641	-.533	-.449	-.202	-.018	.241	.386		-.531	-.407	-.358	-.102	.049	.263	.416	.040
	.090	-.628	-.506	-.407	-.156	-.003	.206	.345		-.508	-.397	-.327	-.066	.049	.231	.381	.090
	.150	-.627	-.496	-.347	-.155	-.017	.174	.305		-.501	-.386	-.255	-.064	.032	.204	.344	.150
	.250	-.635	-.475	-.330	-.136	-.012	.153	.266		-.490	-.344	-.232	-.051	.039	.177	.318	.250
	.340	-.653	-.459	-.295	-.163	-.067	.113	.213		-.483	-.319	-.227	-.100	-.022	.125	.268	.340
	.450	-.681	-.446	-.261	-.148	-.040	.097	.179		-.482	-.317	-.211	-.097	-.024	.131	.243	.450
	.550	-.687	-.406	-.237	-.132	-.037	.076	.147		-.489	-.300	-.191	-.095	-.023	.121	.217	.550
	.650	-.643	-.348	-.202	-.106	-.028	.068	.124		-.485	-.273	-.168	-.078	-.009	.122	.203	.650
	.800	-.436	-.228	-.116	-.038	.012	.058	.088		-.373	-.202	-.104	-.021	.039	.131	.176	.800
	.874	-.307	-.163	-.071	-.018	.010	.030	.045		-.292	-.169	-.080	-.007	.044	.107	.140	.874
		M = 1.100; q = 875 lb/sq ft															
Upper surface	.000	.072	.234	.361	.486	.502	.291	-.111									.000
	.020	.423	.367	.285	.155	-.051	-.570	-.834									.020
	.077	.290	.220	.143	.036	-.098	-.510	-.740									.077
	.150	.207	.141	.076	-.013	-.113	-.494	-.717									.150
	.250	.131	.060	-.011	-.082	-.174	-.468	-.699									.250
	.350	.067	.003	-.067	-.130	-.205	-.412	-.694									.350
	.450	.036	-.033	-.102	-.157	-.215	-.347	-.673									.450
	.550	.012	-.048	-.114	-.209	-.255	-.368	-.695									.550
	.640	-.011	-.056	-.106	-.177	-.276	-.381	-.693									.640
	.740	-.075	-.170	-.222	-.272	-.335	-.442	-.713									.740
	.850	-.042	-.104	-.185	-.254	-.314	-.423	-.676									.850
	.900	-.042	-.108	-.180	-.255	-.314	-.426	-.616									.900
	.922	-.044	-.113	-.181	-.261	-.320	-.434	-.561									.922
Lower surface	.040	-.529	-.478	-.404	-.149	.024	.249	.408									.040
	.090	-.490	-.438	-.330	-.072	.034	.220	.376									.090
	.150	-.476	-.412	-.232	-.081	.034	.195	.339									.150
	.250	-.441	-.332	-.185	-.055	.040	.179	.312									.250
	.340	-.409	-.302	-.186	-.094	-.024	.108	.281									.340
	.450	-.355	-.279	-.167	-.105	-.035	.107	.277									.450
	.550	-.330	-.262	-.144	-.080	-.013	.132	.261									.550
	.650	-.320	-.232	-.116	-.050	.011	.141	.252									.650
	.800	-.283	-.168	-.062	.003	.069	.176	.238									.800
	.874	-.252	-.138	-.038	.025	.084	.161	.204									.874

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(c) 90-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°		α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 618 lb/sq ft								M = 0.900; q = 701 lb/sq ft							
Upper surface	.036	.429	.381	.303	.156	-.161	-.652	-.497		.430	.381	.295	.151	-.193	+1.438	-.575	.036
	.084	.346	.283	.198	.063	-.170	-.640	-.488		.346	.283	.190	.051	-.202	+1.316	-.551	.084
	.150	.250	.189	.104	-.017	-.189	-.614	-.484		.257	.189	.095	-.034	-.218	+1.237	-.543	.150
	.260	.177	.119	.048	-.050	-.191	-.585	-.476		.179	.120	.039	-.065	-.225	+1.175	-.529	.260
	.350	.115	.061	-.002	-.090	-.206	-.551	-.459		.115	.059	-.015	-.112	-.247	-.899	-.515	.350
	.460	.062	.017	-.037	-.114	-.212	-.507	-.440		.061	.012	-.055	-.140	-.258	-.544	-.502	.460
	.550	.023	-.010	-.056	-.121	-.202	-.462	-.423		.024	-.016	-.075	-.150	-.247	-.399	-.492	.550
	.600	-.000	-.026	-.066	-.125	-.196	-.434	-.414		-.003	-.033	-.085	-.154	-.236	-.300	-.486	.600
	.660	-.021	-.037	-.069	-.120	-.182	-.403	-.406		-.023	-.044	-.090	-.148	-.219	-.228	-.481	.660
	.760	-.056	-.044	-.061	-.099	-.143	-.343	-.388		-.054	-.051	-.080	-.124	-.164	-.158	-.468	.760
	.860	-.120	-.059	-.049	-.071	-.100	-.280	-.374		-.114	-.063	-.064	-.089	-.108	-.109	-.460	.860
	.900	-.158	-.068	-.040	-.058	-.078	-.255	-.369		-.153	-.076	-.054	-.070	-.079	-.088	-.456	.900
Lower surface	.079	-.462	-.486	-.407	-.167	.034	.259	.321		-.481	-.492	-.426	-.172	.034	.251	.313	.079
	.160	-.452	-.471	-.382	-.109	.048	.210	.258		-.473	-.481	-.396	-.121	.045	.205	.254	.160
	.250	-.446	-.463	-.387	-.079	.031	.163	.198		-.475	-.478	-.378	-.085	.031	.164	.194	.250
	.350	-.435	-.471	-.401	-.045	.039	.139	.156		-.468	-.492	-.378	-.049	.039	.147	.153	.350
	.450	-.426	-.480	-.346	-.021	.045	.122	.121		-.461	-.510	-.345	-.024	.046	.134	.119	.450
	.550	-.444	-.482	-.220	-.001	.051	.105	.082		-.477	-.521	-.253	-.004	.051	.122	.083	.550
	.590	-.447	-.478	-.169	.010	.061	.106	.077		-.481	-.521	-.212	.013	.064	.126	.079	.590
	.690	-.460	-.456	-.064	.031	.071	.092	.041		-.481	-.512	-.106	.037	.076	.120	.044	.690
	.800	-.440	-.402	-.001	.037	.067	.058	-.017		-.462	-.469	-.031	.046	.074	.103	-.014	.800
		M = 0.940; q = 750 lb/sq ft								M = 0.980; q = 708 lb/sq ft							
Upper surface	.036	.416	.376	.294	.138	-.243	+1.271	-.755		.387	.313	.222	.112	-.099	+1.080	+1.325	.036
	.084	.335	.277	.187	.040	-.276	+1.147	-.640		.299	.209	.109	.002	-.184	-.976	+1.261	.084
	.150	.250	.187	.091	-.044	-.321	+1.083	-.639		.213	.112	.004	-.109	-.258	-.917	+1.197	.150
	.260	.173	.118	.035	-.070	-.346	+1.023	-.623		.138	.048	-.058	-.177	-.294	-.878	+1.154	.260
	.350	.112	.058	-.021	-.117	-.391	-.986	-.611		.077	-.003	-.130	-.245	-.348	-.847	+1.134	.350
	.460	.058	.010	-.062	-.153	-.398	-.857	-.591		.029	-.026	-.200	-.292	-.415	-.752	+1.126	.460
	.550	.022	-.017	-.083	-.166	-.216	-.675	-.572		-.000	-.048	-.227	-.324	-.455	-.598	+1.129	.550
	.600	-.002	-.035	-.095	-.168	-.168	-.658	-.564		-.015	-.058	-.203	-.343	-.452	-.602	+1.123	.600
	.660	-.020	-.044	-.099	-.165	-.175	-.576	-.554		-.028	-.065	-.097	-.362	-.471	-.623	+1.115	.660
	.760	-.050	-.051	-.088	-.135	-.172	-.259	-.533		-.041	-.061	-.029	-.373	-.512	-.649	-.838	.760
	.860	-.105	-.055	-.072	-.095	-.104	-.146	-.517		-.078	-.063	-.031	-.028	-.411	-.677	-.746	.860
	.900	-.141	-.061	-.060	-.074	-.074	-.106	-.513		-.109	-.068	-.021	.016	-.189	-.694	-.738	.900
Lower surface	.079	-.559	-.537	-.419	-.182	.015	.206	.293		-.678	-.708	-.746	-.652	-.110	.134	.259	.079
	.160	-.537	-.514	-.381	-.127	.031	.165	.236		-.642	-.672	-.674	-.335	-.067	.093	.200	.160
	.250	-.507	-.504	-.373	-.085	.023	.127	.177		-.617	-.647	-.617	-.264	-.055	.051	.146	.250
	.350	-.489	-.509	-.383	-.049	.035	.113	.138		-.594	-.642	-.508	-.117	-.033	.034	.113	.350
	.450	-.467	-.561	-.357	-.022	.045	.104	.110		-.563	-.666	-.360	-.035	-.012	.023	.088	.450
	.550	-.476	-.604	-.268	-.003	.053	.095	.073		-.525	-.703	-.214	.000	-.001	.008	.058	.550
	.590	-.486	-.610	-.228	.014	.067	.102	.072		-.508	-.706	-.164	.015	.018	.015	.060	.590
	.690	-.491	-.594	-.128	.039	.080	.099	.042		-.520	-.675	-.052	.050	.039	.010	.035	.690
	.800	-.471	-.541	-.053	.051	.080	.081	-.012		-.508	-.527	.019	.065	.046	-.011	-.007	.800

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(c) 60-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 794 lb/sq ft							M = 1.105; q = 842 lb/sq ft							
Upper surface	.036	.394	.341	.270	.163	-.033	-.923		.416	.353	.300	.178	-.025	-.634	-.940	.036
	.084	.304	.238	.161	.055	-.125	-.829	+1.102	.325	.251	.196	.080	-.095	-.616	-.880	.084
	.150	.214	.143	.059	-.054	-.193	-.777	+1.047	.237	.152	.096	-.009	-.150	-.586	-.838	.150
	.260	.138	.082	-.006	-.118	-.230	-.741	+1.011	.181	.078	.020	-.065	-.180	-.567	-.804	.260
	.350	.071	.014	-.070	-.177	-.274	-.717	-.987	.114	.029	-.037	-.115	-.226	-.559	-.791	.350
	.460	.012	-.060	-.136	-.243	-.336	-.691	-.988	.046	-.026	-.095	-.183	-.276	-.579	-.789	.460
	.550	-.028	-.099	-.174	-.270	-.377	-.520	-.993	.013	-.057	-.128	-.217	-.302	-.590	-.796	.550
	.600	-.049	-.123	-.195	-.287	-.389	-.513	-.995	-.010	-.078	-.144	-.218	-.315	-.592	-.799	.600
	.660	-.078	-.152	-.225	-.294	-.393	-.534	-.994	-.040	-.107	-.155	-.241	-.331	-.579	-.800	.660
	.760	-.108	-.175	-.255	-.328	-.436	-.573	-.995	-.069	-.139	-.191	-.282	-.349	-.479	-.801	.760
	.860	-.121	-.196	-.286	-.365	-.467	-.593	-.821	-.095	-.168	-.221	-.310	-.378	-.478	-.807	.860
	.900	-.105	-.190	-.295	-.379	-.472	-.605	-.699	-.100	-.177	-.232	-.319	-.388	-.495	-.813	.900
Lower surface	.079	-.773	-.677	-.748	-.586	-.128	.179	.299	-.697	-.610	-.813	-.353	-.099	.219	.354	.079
	.160	-.761	-.657	-.644	-.304	-.070	.133	.243	-.681	-.559	-.753	-.222	-.058	.189	.307	.160
	.250	-.755	-.659	-.574	-.237	-.064	.096	.188	-.671	-.528	-.429	-.199	-.057	.156	.259	.250
	.350	-.753	-.668	-.515	-.184	-.050	.081	.158	-.667	-.502	-.280	-.161	-.027	.146	.233	.350
	.450	-.739	-.668	-.428	-.141	-.037	.071	.136	-.648	-.466	-.247	-.128	-.000	.141	.216	.450
	.550	-.718	-.654	-.329	-.117	-.035	.050	.106	-.617	-.434	-.210	-.093	.011	.123	.188	.550
	.590	-.701	-.641	-.286	-.091	-.013	.059	.109	-.598	-.415	-.170	-.063	.036	.137	.195	.590
	.690	-.667	-.593	-.190	-.058	-.002	.051	.088	-.555	-.371	-.110	-.019	.056	.130	.176	.690
	.800	-.622	-.516	-.116	-.038	-.006	.025	.051	-.505	-.312	-.070	.008	.062	.114	.146	.800
		M = 1.200; q = 873 lb/sq ft														
Upper surface	.036	.421	.380	.323	.215	.059	-.480	-.795								.036
	.084	.334	.284	.219	.119	-.015	-.431	-.732								.084
	.150	.243	.188	.124	.031	-.087	-.422	-.698								.150
	.260	.171	.116	.060	-.022	-.117	-.426	-.673								.260
	.350	.127	.058	.004	-.071	-.159	-.438	-.666								.350
	.460	.068	.004	-.062	-.120	-.204	-.464	-.668								.460
	.550	.038	-.029	-.078	-.156	-.237	-.487	-.677								.550
	.600	.016	-.042	-.102	-.174	-.255	-.494	-.681								.600
	.660	-.014	-.059	-.128	-.184	-.274	-.500	-.683								.660
	.760	-.048	-.099	-.163	-.214	-.297	-.498	-.687								.760
	.860	-.081	-.131	-.187	-.248	-.319	-.443	-.695								.860
	.900	-.091	-.140	-.201	-.259	-.324	-.438	-.700								.900
Lower surface	.079	-.821	-.787	-.669	-.514	-.113	.172	.372								.079
	.160	-.773	-.728	-.628	-.207	-.069	.151	.328								.160
	.250	-.732	-.683	-.561	-.169	-.066	.135	.281								.250
	.350	-.705	-.649	-.207	-.162	-.054	.135	.258								.350
	.450	-.680	-.600	-.193	-.140	-.037	.135	.251								.450
	.550	-.667	-.369	-.186	-.123	-.028	.128	.229								.550
	.590	-.649	-.327	-.174	-.099	-.006	.145	.241								.590
	.690	-.428	-.249	-.139	-.060	.027	.157	.227								.690
	.800	-.345	-.185	-.102	-.018	.061	.158	.201								.800

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Continued

(f) 95-percent-semispan station

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
Upper surface	.080	.289	.259	.227	.107	-.119	-.492	-.339	.301	.267	.221	.097	-.151	-.685	-.400	.080
	.150	.228	.189	.151	.036	-.152	-.470	-.338	.239	.199	.146	.029	-.171	-.666	-.401	.150
	.250	.104	.071	.037	-.053	-.191	-.436	-.339	.113	.076	.029	-.074	-.235	-.615	-.403	.250
	.360	.033	.006	-.016	-.089	-.189	-.393	-.334	.036	.005	-.034	-.126	-.249	-.562	-.405	.360
	.450	-.026	-.044	-.057	-.110	-.182	-.353	-.328	-.036	-.058	-.085	-.151	-.220	-.520	-.406	.450
	.560	-.081	-.090	-.084	-.119	-.168	-.307	-.324	-.102	-.110	-.113	-.150	-.187	-.469	-.405	.560
	.650	-.108	-.107	-.080	-.103	-.143	-.267	-.320	-.140	-.130	-.105	-.123	-.155	-.421	-.404	.650
	.760															.760
	.800	-.151	-.144	-.075	-.078	-.103	-.223	-.319	-.197	-.169	-.091	-.087	-.108	-.350	-.405	.800
Lower surface	.110	-.209	-.239	-.620	-.245	-.014	.197	.225	-.223	-.256	-.589	-.282	-.007	.228	.218	.110
	.190	-.199	-.220	-.636	-.160	.014	.142	.156	-.215	-.239	-.587	-.179	.016	.168	.147	.190
	.260															.260
	.360	-.181	-.196	-.538	-.084	.001	.059	.052	-.209	-.217	-.536	-.095	-.003	.077	.037	.360
	.450	-.164	-.184	-.136	-.040	.015	.036	.011	-.207	-.203	-.333	-.043	.011	.041	-.015	.450
	.560	-.156	-.171	.109	.004	.039	.028	-.015	-.207	-.192	-.049	.010	.039	.027	-.051	.560
	.600	-.155	-.164	.120	.020	.044	.019	-.030	-.206	-.186	.029	.023	.044	.018	-.069	.600
	.710	-.156	-.157	.112	.046	.060	.014	-.052	-.203	-.178	.103	.053	.064	.010	-.094	.710
		M = 0.940; q = 730 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
Upper surface	.080	.308	.283	.222	.092	-.182	+1.107	-.489	.291	.267	.206	.051	-.187	-.966	+1.253	.080
	.150	.252	.217	.151	.023	-.210	-.860	-.481	.238	.205	.149	-.026	-.276	-.924	+1.181	.150
	.250	.125	.093	.029	-.081	-.239	-.798	-.476	.115	.082	.048	-.131	-.317	-.884	+1.142	.250
	.360	.046	.021	-.040	-.145	-.273	-.660	-.472	.036	.011	-.014	-.187	-.351	-.869	+1.134	.360
	.450	-.034	-.043	-.102	-.200	-.316	-.657	-.471	-.043	-.060	-.075	-.259	-.411	-.865	+1.116	.450
	.560	-.111	-.093	-.133	-.156	-.215	-.611	-.468	-.130	-.128	-.119	-.213	-.478	-.861	+1.023	.560
	.650	-.154	-.114	-.121	-.126	-.134	-.538	-.467	-.174	-.145	-.098	-.021	-.495	-.839	-.776	.650
	.760															.760
	.800	-.227	-.161	-.094	-.086	-.104	-.436	-.465	-.249	-.192	-.069	-.023	-.109	-.851	-.727	.800
Lower surface	.110	-.284	-.294	-.593	-.270	.025	.186	.208	-.388	-.361	-.567	-.274	-.105	.079	.189	.110
	.190	-.275	-.284	-.579	-.174	.035	.136	.142	-.375	-.337	-.557	-.206	-.058	.049	.130	.190
	.260															.260
	.360	-.263	-.273	-.545	-.093	-.003	.041	.033	-.361	-.322	-.557	-.147	-.062	-.025	.033	.360
	.450	-.254	-.268	-.423	-.035	.010	-.001	-.026	-.352	-.323	-.483	-.106	-.056	-.074	-.021	.450
	.560	-.242	-.265	-.173	.017	.039	-.016	-.070	-.336	-.320	-.304	-.044	-.004	-.112	-.074	.560
	.600	-.237	-.268	-.057	.031	.045	-.026	-.091	-.328	-.315	-.216	-.011	.005	-.129	-.105	.600
	.710	-.230	-.276	.096	.059	.064	-.029	-.121	-.316	-.301	-.049	.046	.035	-.142	-.148	.710

TABLE IV.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF 1.0 ATMOSPHERE FOR WING IN PRESENCE OF BODY - Concluded

(f) 95-percent-semispan station - Concluded

	x/c	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/c
		M = 1.030; q = 794 lb/sq ft							M = 1.125; q = 842 lb/sq ft							
Upper surface	.080	.293	.232	.173	.080	-.094	-.810	-1.084	.319	.257	.208	.113	-.024	-.593	-.864	.080
	.150	.241	.172	.106	-.003	-.186	-.774	-1.015	.271	.197	.133	.020	-.121	-.556	-.807	.150
	.250	.120	.052	-.009	-.097	-.235	-.746	-1.007	.162	.089	.045	-.050	-.167	-.553	-.804	.250
	.360	.048	-.018	-.061	-.150	-.271	-.739	-.991	.098	.039	-.006	-.094	-.199	-.549	-.785	.360
	.450	-.027	-.098	-.130	-.212	-.324	-.736	-.982	.030	-.016	-.059	-.147	-.239	-.554	-.776	.450
	.560	-.111	-.208	-.242	-.309	-.405	-.737	-.979	-.069	-.109	-.145	-.224	-.308	-.561	-.773	.560
	.650	-.147	-.277	-.322	-.377	-.445	-.720	-.949	-.142	-.186	-.218	-.290	-.362	-.552	-.751	.650
	.760															.760
	.800	-.233	-.300	-.434	-.478	-.501	-.748	-.965	-.198	-.296	-.328	-.388	-.427	-.578	-.766	.800
Lower surface	.110	-.503	-.632	-1.019	-.807	-.224	.106	.221	-.589	-.896	-.838	-.700	-.202	.174	.292	.110
	.190	-.479	-.598	-.963	-.490	-.142	.077	.168	-.565	-.854	-.799	-.506	-.129	.136	.244	.190
	.260															.260
	.360	-.457	-.570	-.637	-.364	-.153	.013	.082	-.533	-.816	-.749	-.261	-.132	.086	.176	.360
	.450	-.445	-.564	-.416	-.269	-.122	-.023	.033	-.514	-.788	-.717	-.261	-.103	.082	.141	.450
	.560	-.428	-.568	-.230	-.110	-.056	-.064	-.017	-.494	-.768	-.538	-.186	-.020	.051	.097	.560
	.600	-.421	-.565	-.174	-.061	-.042	-.082	-.046	-.482	-.731	-.434	-.108	.021	.032	.071	.600
	.710	-.407	-.549	-.112	-.029	-.032	-.100	-.090	-.471		-.227	-.001	.055	.012	.027	.710
		M = 1.200; q = 873 lb/sq ft														
Upper surface	.080	.327	.285	.232	.162	.049	-.410	-.728								.080
	.150	.284	.228	.161	.081	-.041	-.379	-.677								.150
	.250	.170	.124	.067	-.001	-.101	-.411	-.680								.250
	.360	.125	.077	.021	-.044	-.132	-.416	-.669								.360
	.450	.075	.028	-.027	-.090	-.170	-.425	-.664								.450
	.560	-.007	-.042	-.093	-.153	-.225	-.441	-.662								.560
	.650	-.084	-.115	-.160	-.217	-.282	-.444	-.648								.650
	.760															.760
	.800	-.193	-.229	-.263	-.316	-.360	-.479	-.660								.800
Lower surface	.110	-.810	-.785	-.697	-.598	-.232	.176	.332								.110
	.190	-.778	-.745	-.663	-.555	-.135	.139	.280								.190
	.260															.260
	.360	-.757	-.712	-.629	-.352	-.143	.098	.220								.360
	.450	-.735	-.695	-.607	-.205	-.139	.100	.203								.450
	.560	-.725	-.683	-.574	-.197	-.098	.106	.172								.560
	.600	-.711	-.671	-.521	-.160	-.048	.090	.146								.600
	.710	-.670	-.610	-.288	-.046	.054	.074	.101								.710

TABLE V.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE

OF 0.5 ATMOSPHERE FOR BODY IN PRESENCE OF WING

(a) Station A

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
M = 0.800; q = 308 lb/sq ft							
.055		.002	.019	.034	.035	-.004	
.166	.043	.022	.005	-.006	-.017	-.031	-.032
.277	.029	.005	-.008	-.017	-.027	-.036	-.041
.367	.166	.136	.103	.072	.046	.005	-.017
.387	.114	.076	.034	.005	-.028	-.097	-.181
.415	.088	.040	-.008	-.048	-.095	-.194	-.310
.443	.069	.019	-.036	-.080	-.132	-.239	-.370
.498	.031	-.019	-.072	-.119	-.170	-.276	-.378
.553	.008	-.042	-.091	-.129	-.171	-.257	-.295
.581	-.016	-.056	-.101	-.132	-.164	-.237	-.267
.609	-.003	-.039	-.075	-.104	-.131	-.180	-.204
.636	-.007	-.039	-.064	-.089	-.108	-.143	-.176
.664	-.011	-.033	-.052	-.070	-.079	-.098	-.136
.692	.001	-.016	-.032	-.039	-.044	-.051	-.081
.719	.003	-.008	-.017	-.020	-.020	-.025	-.051
.774							
.830	.000	-.003	-.003	.001	.005	.009	-.003
.871	-.007	-.008	-.004	.002	.008	.003	-.004
.954	.022	.025	.031	.039	.045	.040	.033
M = 0.940; q = 365 lb/sq ft							
.055	.070	.056	.035	.010	.000		
.166	.042	.017	.001	-.015	-.024	-.032	-.018
.277	.021	-.004	-.015	-.030	-.035	-.024	-.006
.367	.191	.161	.128	.102	.082	.072	.085
.387	.143	.104	.067	.037	.010	-.026	-.067
.415	.106	.056	.011	-.033	-.069	-.135	-.200
.443	.078	.025	-.029	-.081	-.126	-.199	-.279
.498	.023	-.035	-.091	-.139	-.195	-.278	-.372
.553	-.027	-.090	-.168	-.221	-.263	-.353	-.443
.581	-.048	-.107	-.186	-.269	-.323	-.403	-.497
.609	-.037	-.089	-.144	-.255	-.315	-.409	-.503
.636	-.043	-.077	-.112	-.223	-.329	-.428	-.515
.664	-.037	-.053	-.068	-.082	-.264	-.450	-.515
.692	-.019	-.024	-.031	-.030	-.049	-.261	-.384
.719	-.005	-.007	-.014	-.011	-.001	-.018	-.030
.774							
.830	-.013	-.007	-.004	-.003	.009	.032	-.005
.871	-.018	-.013	-.005	-.002	.004	.020	-.005
.954	.021	.029	.036	.038	.044	.053	.045

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 350 lb/sq ft							
.104	.111	.083	.113	.059	.064	.054	.055
.044	.021	.003	-.009	-.025	-.029	-.026	.166
.027	.003	-.012	-.022	-.033	-.027	-.018	.277
.183	.151	.119	.093	.065	.048	.051	.367
.132	.092	.056	.025	-.008	-.053	-.110	.387
.100	.050	.004	-.038	-.088	-.159	-.245	.415
.074	.020	-.033	-.084	-.138	-.226	-.324	.443
.027	-.027	-.086	-.143	-.196	-.294	-.408	.498
-.010	-.066	-.125	-.191	-.272	-.366	-.471	.553
-.029	-.080	-.129	-.188	-.279	-.420	-.528	.581
-.017	-.060	-.105	-.150	-.198	-.410	-.515	.609
-.020	-.055	-.090	-.119	-.143	-.397	-.488	.636
-.019	-.044	-.065	-.084	-.095	-.100	-.072	.664
-.004	-.020	-.033	-.043	-.048	-.029	-.053	.692
.002	-.010	-.016	-.018	-.019	-.000	-.041	.719
							.774
-.008	-.005	-.003	.001	.004	.018	-.011	.830
-.012	-.008	-.005	-.001	.004	.009	-.012	.871
.024	.029	.037	.043	.047	.043	.034	.954
M = 0.980; q = 380 lb/sq ft							
.146	.128	.094	.077	.055	.028	.014	.055
.048	.026	.008	-.003	-.013	-.020	-.005	.166
.028	.002	-.012	-.021	-.027	-.012	.013	.277
.214	.177	.155	.129	.118	.111	.124	.367
.168	.132	.099	.074	.051	.014	-.023	.387
.130	.083	.039	.002	-.030	-.090	-.154	.415
.098	.044	-.005	-.048	-.092	-.157	-.226	.443
.038	-.017	-.067	-.118	-.163	-.238	-.330	.498
-.033	-.102	-.146	-.188	-.235	-.316	-.392	.553
-.056	-.145	-.197	-.244	-.285	-.366	-.450	.581
-.060	-.135	-.193	-.248	-.297	-.375	-.456	.609
-.080	-.155	-.216	-.266	-.312	-.398	-.477	.636
-.085	-.165	-.238	-.289	-.339	-.421	-.506	.664
-.097	-.136	-.215	-.271	-.323	-.423	-.522	.692
-.059	-.033	-.063	-.088	-.140	-.279	-.438	.719
							.774
-.025	.001	.025	.036	.042	.020	.006	.830
-.024	.001	.017	.029	.038	.037	.023	.871
.033	.041	.055	.063	.073	.087	.085	.954

TABLE V.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF 0.5 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(a) Station A - Concluded

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
	M = 1.050; q = 397 lb/sq ft							M = 1.125; q = 481 lb/sq ft							
.055	.186	.165	.135	.117	.099	.073	.065	.151	.129	.107	.092	.067	.039	.016	.055
.166	.087	.069	.054	.044	.031	.023	.022	.064	.045	.035	.021	.006	-.008	-.016	.166
.277	.033	.020	.012	.004	-.006	-.012	.057	.023	.011	-.001	-.005	-.013	-.025	-.032	.277
.367	.258	.215	.181	.164	.153	.167	.194	.066	.057	.048	.040	.035	.048	.099	.367
.387	.225	.179	.145	.123	.102	.083	.055	.140	.094	.081	.076	.061	.039	.040	.387
.415	.184	.132	.091	.052	.023	-.016	-.076	.178	.136	.103	.071	.040	-.019	-.056	.415
.443	.155	.096	.045	-.003	-.037	-.085	-.149	.153	.104	.065	.028	-.009	-.071	-.113	.443
.498	.094	.040	-.019	-.072	-.112	-.167	-.248	.102	.053	.007	-.031	-.074	-.141	-.200	.498
.553	.016	-.037	-.090	-.135	-.176	-.236	-.307	.044	-.010	-.053	-.088	-.129	-.197	-.249	.553
.581	-.023	-.081	-.143	-.187	-.219	-.286	-.363	-.001	-.051	-.092	-.131	-.173	-.243	-.291	.581
.609	-.017	-.077	-.140	-.195	-.233	-.298	-.368	-.005	-.060	-.108	-.146	-.186	-.246	-.289	.609
.636	-.038	-.099	-.161	-.209	-.250	-.319	-.399	-.013	-.072	-.119	-.160	-.199	-.268	-.328	.636
.664	-.058	-.115	-.180	-.233	-.273	-.344	-.420	-.034	-.084	-.126	-.169	-.213	-.287	-.343	.664
.692	-.065	-.110	-.171	-.230	-.268	-.353	-.439	-.039	-.090	-.136	-.171	-.217	-.296	-.361	.692
.719	-.076	-.092	-.117	-.163	-.175	-.264	-.396	-.048	-.083	-.121	-.151	-.187	-.257	-.347	.719
.774															.774
.830	-.067	-.062	-.043	-.041	-.046	-.068	-.061	-.047	-.050	-.046	-.039	-.039	-.031	-.021	.830
.871	-.091	-.076	-.059	-.057	-.057	-.069	-.051	-.068	-.064	-.054	-.037	-.032	-.025	-.012	.871
.954	-.133	-.121	-.087	-.056	-.048	-.034	-.043	-.063	-.065	-.053	-.031	-.012	.010	.040	.954
	M = 1.000; q = 457 lb/sq ft														
.055	.169	.151	.133	.101	.085	.060	.028								.055
.166	.077	.059	.047	.034	.016	.003	-.000								.166
.277	.030	.021	.014	.010	.009	-.008	-.015								.277
.367	.032	.064	.054	.037	.038	.047	.053								.367
.387	.041	.046	.043	.042	.038	.036	.034								.387
.415	.200	.151	.111	.077	.051	.000	-.040								.415
.443	.175	.131	.088	.053	.019	-.047	-.094								.443
.498	.134	.085	.040	-.005	-.046	-.111	-.168								.498
.553	.069	.025	-.017	-.059	-.096	-.163	-.213								.553
.581	.025	-.021	-.063	-.102	-.141	-.201	-.259								.581
.609	.014	-.029	-.074	-.117	-.150	-.215	-.266								.609
.636	.003	-.048	-.093	-.133	-.170	-.238	-.295								.636
.664	-.017	-.056	-.103	-.149	-.185	-.247	-.300								.664
.692	-.030	-.075	-.116	-.156	-.190	-.263	-.324								.692
.719	-.046	-.085	-.122	-.156	-.191	-.255	-.332								.719
.774															.774
.830	-.040	-.043	-.043	-.037	-.035	-.024	-.010								.830
.871	-.071	-.060	-.046	-.036	-.027	-.017	-.005								.871
.954	-.088	-.079	-.066	-.053	-.040	-.030	-.030								.954

TABLE V.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(b) Station B

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
	M = 0.800; q = 308 lb/sq ft						
.166	.025	.014	.004	-.006	-.017	-.052	-.071
.277	.001	-.006	-.018	-.026	-.034	-.061	-.081
.367	.096	.063	.029	.012	-.013	-.096	-.187
.387	.212	.183	.142	.079	.022	-.093	-.218
.443	.088	.034	-.024	-.081	-.153	-.285	-.448
.498	.031	-.022	-.079	-.130	-.188	-.320	-.468
.553							
.609	-.016	-.047	-.083	-.114	-.145	-.219	-.277
.664							
.719	.003	-.002	-.008	-.011	-.011	-.016	-.056
.774							
.830	-.003	-.003	-.002	.002	.005	.006	.003
.871	-.003	-.002	.001	.002	.009	.012	.013
	M = 0.940; q = 365 lb/sq ft						
.166	.021	.011	.002	-.012	-.024	-.048	-.064
.277	-.004	-.016	-.025	-.036	-.043	-.052	-.049
.367	.127	.088	.044	.035	.023	-.024	-.064
.387	.247	.215	.187	.135	.072	-.012	-.098
.443	.096	.039	-.016	-.074	-.141	-.239	-.358
.498	.018	-.039	-.092	-.152	-.222	-.327	-.434
.553							
.609	-.051	-.095	-.143	-.277	-.338	-.450	-.561
.664							
.719	.002	-.001	-.002	-.002	.006	-.035	-.080
.774							
.830	-.016	-.010	-.004	-.003	.006	.025	-.013
.871	-.012	-.008	-.002	-.000	.007	.025	.006
	M = 1.030; q = 397 lb/sq ft						
.166	.071	.064	.056	.045	.036	.003	-.043
.277	.008	.005	.002	-.003	-.011	-.042	.009
.367	.205	.157	.042	.090	.102	.082	.056
.387	.320	.284	.267	.220	.156	.095	.021
.443	.173	.110	.058	-.005	-.053	-.127	-.217
.498	.090	.036	-.030	-.090	-.134	-.206	-.295
.553							
.609	-.029	-.093	-.154	-.206	-.250	-.334	-.427
.664							
.719	-.076	-.081	-.095	-.124	-.134	-.189	-.250
.774							
.830	-.073	-.063	-.047	-.043	-.050	-.073	-.078
.871	-.062	-.061	-.055	-.052	-.055	-.085	-.086
	M = 1.100; q = 437 lb/sq ft						
.166	.058	.052	.046	.032	.017	-.015	-.049
.277	.017	.011	.007	.009	.002	-.028	-.049
.367	-.020	.010	.009	-.060	-.059	-.063	-.059
.387	.216	.082	.071	.156	.121	.055	-.007
.443	.191	.139	.092	.030	-.010	-.089	-.163
.498	.120	.077	.034	-.023	-.065	-.142	-.215
.553							
.609	.008	-.035	-.078	-.120	-.158	-.239	-.319
.664							
.719	-.059	-.075	-.094	-.111	-.126	-.147	-.173
.774							
.830	-.061	-.056	-.051	-.051	-.046	-.042	-.036
.871	-.049	-.042	-.035	-.033	-.031	-.042	-.041

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 350 lb/sq ft							
.025	.016	.003	-.007	-.018	-.046	-.061	.166
-.001	-.011	-.020	-.030	-.037	-.054	-.058	.277
.115	.084	.038	.025	.010	-.051	-.106	.367
.238	.203	.168	.117	.054	-.042	-.138	.387
.094	.039	-.023	-.082	-.150	-.277	-.400	.443
.026	-.029	-.092	-.148	-.213	-.345	-.477	.498
							.553
-.029	-.069	-.111	-.158	-.208	-.454	-.587	.609
							.664
.005	-.001	-.007	-.007	-.006	.007	-.048	.719
							.774
-.009	-.005	-.002	.000	.004	.014	-.015	.830
-.003	-.002	.001	.003	.006	.019	.003	.871
M = 0.980; q = 380 lb/sq ft							
.031	.018	.009	-.001	-.012	-.034	-.061	.166
.004	-.013	-.020	-.027	-.032	-.038	-.033	.277
.149	.122	.059	.063	.061	.021	-.018	.367
.270	.234	.216	.173	.109	.033	-.052	.387
.114	.056	.008	-.044	-.112	-.200	-.302	.443
.034	-.022	-.075	-.135	-.189	-.283	-.380	.498
							.553
-.070	-.146	-.208	-.262	-.313	-.410	-.513	.609
							.664
-.066	-.036	-.051	-.067	-.113	-.220	-.305	.719
							.774
-.033	-.002	.023	.033	.037	.017	-.018	.830
-.013	.007	.023	.031	.040	.031	-.003	.871
M = 1.125; q = 431 lb/sq ft							
.044	.039	.034	.026	.008	-.025	-.066	.166
-.000	-.003	-.006	-.005	-.020	-.048	-.078	.277
-.063	-.019	-.047	-.058	-.059	-.046	-.026	.367
.294	.223	.215	.175	.134	.047	-.005	.387
.170	.113	.063	.016	-.029	-.112	-.185	.443
.099	.039	-.013	-.053	-.099	-.177	-.245	.498
							.553
-.019	-.066	-.120	-.158	-.204	-.284	-.352	.609
							.664
-.053	-.074	-.091	-.103	-.125	-.151	-.178	.719
							.774
-.061	-.051	-.046	-.038	-.043	-.044	-.037	.830
-.048	-.046	-.039	-.031	-.029	-.048	-.046	.871
							.166
							.277
							.367
							.387
							.443
							.498
							.553
							.609
							.664
							.719
							.774
							.830
							.871

TABLE V.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(c) Station C

x, l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
M = 0.800; q = 308 lb/sq ft							
.055	.048	.053	.059	.057	.054	.011	-.051
.166	-.010	-.002	.000	.001	-.009	-.044	-.112
.277	-.028	-.021	-.019	-.019	-.024	-.044	-.126
.353							
.367	.365	.394	.366	.360	.291	.243	.161
.692	.029	.033	.034	.040	.045	.052	.009
.719	.008	.008	.010	.013	.022	.022	.009
.774	.001	.000	.004	.006	.015	.020	.001
.830	.009	.009	.011	.012	.020	.029	.019
.871	.026	.024	.030	.028	.035	.043	.033
.954	.029	.033	.034	.037	.040	.035	.037
M = 0.940; q = 365 lb/sq ft							
.055	.061	.066	.069	.064	.056	.023	-.030
.166	-.008	-.006	.001	-.007	-.013	-.043	-.100
.277	-.029	-.027	-.025	-.032	-.034	-.062	-.101
.353							
.367	.427	.416	.336	.361	.310	.299	.270
.692	.001	.027	.035	.041	.031	-.046	-.124
.719	.020	.017	.015	.023	.033	-.001	-.039
.774	.004	.004	.007	.010	.023	.035	-.024
.830	.002	.006	.007	.006	.019	.041	-.013
.871	.022	.022	.027	.028	.033	.053	.022
.954	.033	.035	.039	.039	.038	.043	.047
M = 1.040; q = 397 lb/sq ft							
.055	.117	.122	.126	.120	.116	.083	.036
.166	.044	.047	.052	.052	.041	.012	-.056
.277	-.007	.000	.006	.006	-.002	-.043	-.044
.353							
.367	.479	.381	.107	.385	.341	.361	.362
.692	-.093	-.076	-.077	-.076	-.061	-.069	-.123
.719	-.088	-.072	-.069	-.076	-.071	-.097	-.122
.774	-.080	-.057	-.038	-.040	-.047	-.083	-.114
.830	-.058	-.050	-.034	-.036	-.043	-.081	-.101
.871	-.029	-.032	-.024	-.028	-.034	-.056	-.059
.954	-.102	-.095	-.076	-.063	-.072	-.083	-.118
M = 1.100; q = 457 lb/sq ft							
.055	.102	.111	.115	.107	.100	.072	.008
.166	.028	.036	.043	.043	.026	-.011	-.073
.277	-.001	.011	.010	.013	.005	-.029	-.102
.353							
.367	.271	.275	-.003	.258	.252	.224	.144
.692	-.057	-.058	-.051	-.049	-.043	-.035	-.069
.719	-.064	-.062	-.057	-.058	-.053	-.048	-.051
.774	-.055	-.051	-.045	-.048	-.048	-.059	-.077
.830	-.042	-.036	-.034	-.038	-.041	-.057	-.083
.871	-.004	-.002	-.000	-.009	-.013	-.022	-.038
.954	-.084	-.077	-.071	-.068	-.069	-.087	-.116

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 350 lb/sq ft							
.059	.063	.068	.065	.057	.021	-.040	.055
-.006	.000	.002	-.003	-.010	-.041	-.103	.166
-.024	-.020	-.022	-.023	-.030	-.058	-.112	.277
							.353
.406	.415	.335	.376	.305	.283	.240	.367
.034	.032	.035	.041	.046	.050	-.019	.692
.017	.011	.013	.018	.023	.044	.005	.719
.003	.003	.005	.009	.013	.035	-.012	.774
.010	.008	.009	.009	.015	.040	.005	.830
.027	.027	.031	.031	.030	.051	.026	.871
.035	.037	.039	.039	.039	.038	.039	.954
M = 0.980; q = 380 lb/sq ft							
.075	.080	.083	.080	.073	.043	-.015	.055
.004	.003	.003	.004	-.005	-.031	-.087	.166
-.011	-.020	-.019	-.021	-.028	-.048	-.084	.277
							.353
.426	.451	.358	.389	.330	.325	.303	.367
-.117	-.097	-.102	-.091	-.086	-.127	-.194	.692
-.085	-.050	-.044	-.037	-.062	-.138	-.176	.719
-.019	.008	.032	.030	.015	-.049	-.130	.774
-.006	.017	.034	.035	.030	.000	-.057	.830
.017	.037	.051	.053	.053	.045	.005	.871
.046	.053	.056	.062	.063	.067	.057	.954
M = 1.105; q = 421 lb/sq ft							
.084	.091	.095	.098	.083	.050	-.009	.055
.010	.021	.029	.034	.017	-.021	-.091	.166
-.018	-.009	.006	.007	-.008	-.049	-.119	.277
							.353
.296	.319	.265	.276	.260	.231	.156	.367
-.066	-.059	-.055	-.047	-.047	-.037	-.087	.692
-.062	-.062	-.059	-.052	-.054	-.056	-.070	.719
-.056	-.051	-.044	-.037	-.044	-.055	-.074	.774
-.040	-.034	-.030	-.028	-.033	-.052	-.070	.830
-.011	-.010	-.010	-.007	-.013	-.017	-.023	.871
-.044	-.047	-.045	-.038	-.047	-.053	-.031	.954
							.055
							.166
							.277
							.353
							.367
							.692
							.719
							.774
							.830
							.871
							.954

TABLE V.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(d) Station D

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
	M = 0.800; q = 308 lb/sq ft						
.166	-.012	-.002	.006	.019	.031	.058	.065
.277	-.031	-.025	-.005	.008	.015	.018	.028
.367	.032	.044	.095	.115	.139	.180	.217
.387	-.143	-.078	-.024	.016	.062	.131	.204
.443	-.240	-.167	-.098	-.045	.015	.119	.224
.498	-.231	-.166	-.103	-.051	.005	.099	.195
.553	-.205	-.155	-.100	-.050	.002	.115	.195
.609	-.153	-.119	-.077	-.044	-.006	.057	.114
.664	-.081	-.067	-.045	-.022	.001	.037	.063
.719	-.028	-.017	-.012	-.006	.010	.025	.023
.774	.004	.006	.006	.017	.024	.032	.021
.830	.011	.014	.014	.016	.020	.023	.010
.871	-.003	-.006	-.006	-.009	-.003	-.006	-.022
	M = 0.940; q = 365 lb/sq ft						
.166	-.014	-.003	.008	.014	.029	.059	.076
.277	-.032	-.028	-.008	-.006	.001	.016	.037
.367	.095	.094	.128	.139	.158	.209	.256
.387	-.077	-.035	.002	.039	.074	.158	.243
.443	-.218	-.167	-.106	-.051	.007	.126	.248
.498	-.293	-.180	-.125	-.072	-.023	.096	.210
.553	-.237	-.230	-.141	-.078	-.013	.096	.196
.609	-.336	-.293	-.193	-.089	-.047	.033	.111
.664	-.309	-.108	-.047	-.032	-.015	.006	.044
.719	-.009	-.005	-.011	.000	.010	-.010	-.035
.774	.008	.007	.012	.018	.030	.034	-.022
.830	.001	.004	.009	.012	.021	.032	-.023
.871	-.013	-.014	-.010	-.012	-.006	-.007	-.049
	M = 1.030; q = 397 lb/sq ft						
.166	.037	.048	.063	.074	.090	.107	.111
.277	.001	-.005	.023	.031	.033	.031	.086
.367	.178	.137	.183	.198	.211	.278	.337
.387	.039	.071	.091	.117	.150	.242	.328
.443	-.111	-.078	-.034	.018	.076	.201	.324
.498	-.142	-.105	-.047	-.005	.052	.163	.285
.553	-.189	-.149	-.095	-.050	.033	.147	.264
.609	-.239	-.201	-.161	-.117	-.061	.073	.179
.664	-.285	-.234	-.194	-.138	-.068	.049	.120
.719	-.162	-.127	-.109	-.096	-.070	-.062	-.047
.774	-.076	-.053	-.028	-.034	-.040	-.067	-.078
.830	-.053	-.042	-.028	-.027	-.030	-.052	-.063
.871	-.064	-.076	-.078	-.082	-.098	-.142	-.165
	M = 1.100; q = 417 lb/sq ft						
.166	.027	.039	.052	.062	.063	.090	.085
.277	.015	.021	.018	.031	.035	.042	.034
.367	.058	.060	.065	.054	.048	.017	-.004
.387	.021	.041	.058	.073	.087	.120	.145
.443	-.066	-.029	.009	.049	.088	.196	.321
.498	-.088	-.049	.000	.044	.090	.195	.310
.553	-.115	-.080	-.030	.010	.060	.150	.260
.609	-.149	-.126	-.085	-.042	-.002	.085	.190
.664	-.197	-.164	-.119	-.077	-.031	.067	.194
.719	-.136	-.122	-.098	-.076	-.051	.000	.060
.774	-.066	-.060	-.048	-.043	-.035	-.020	-.013
.830	-.023	-.022	-.016	-.018	-.020	-.021	-.037
.871	-.051	-.050	-.061	-.072	-.085	-.115	-.143

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 350 lb/sq ft							
-.008	.000	.008	.017	.030	.061	.068	.166
-.028	-.025	-.005	.004	.006	.021	.033	.277
.077	.072	.120	.132	.152	.199	.240	.367
-.103	-.053	-.009	.030	.069	.151	.227	.387
-.238	-.173	-.105	-.046	.006	.124	.238	.443
-.243	-.186	-.121	-.064	-.011	.099	.202	.498
-.250	-.176	-.100	-.040	.008	.111	.190	.553
-.283	-.170	-.108	-.062	-.025	.052	.110	.609
-.084	-.072	-.050	-.027	-.007	.040	.058	.664
-.021	-.020	-.011	.000	.006	.031	.005	.719
.001	.006	.010	.018	.020	.047	.001	.774
.007	.013	.011	.015	.014	.031	-.005	.830
-.009	-.008	-.007	-.004	-.009	-.002	-.033	.871
M = 0.980; q = 380 lb/sq ft							
-.005	.004	.012	.025	.040	.067	.075	.166
-.006	-.020	-.001	.006	.007	.025	.052	.277
.125	.138	.161	.173	.189	.232	.282	.367
-.031	.003	.038	.071	.108	.186	.271	.387
-.180	-.133	-.080	-.028	.028	.146	.271	.443
-.215	-.157	-.092	-.051	-.003	.109	.228	.498
-.256	-.210	-.150	-.109	-.060	.095	.210	.553
-.312	-.270	-.220	-.177	-.124	.021	.122	.609
-.349	-.301	-.246	-.181	-.097	-.014	.055	.664
-.152	-.096	-.072	-.041	-.059	-.114	-.106	.719
-.008	.019	.034	.032	.020	-.040	-.116	.774
.006	.026	.037	.038	.034	.002	-.044	.830
.002	.011	.016	.010	.007	-.019	-.085	.871
M = 1.105; q = 421 lb/sq ft							
.007	.021	.037	.052	.060	.081	.074	.166
-.015	-.015	.013	.026	.025	.024	.019	.277
.071	-.010	.081	.079	.073	.038	.004	.367
.011	.012	.049	.076	.095	.155	.269	.387
-.091	-.057	-.015	.037	.080	.189	.321	.443
-.122	-.079	-.030	.022	.070	.179	.294	.498
-.160	-.120	-.060	-.016	-.035	.140	.260	.553
-.198	-.159	-.116	-.065	-.024	.082	.213	.609
-.225	-.184	-.138	-.088	-.041	.076	.190	.664
-.144	-.121	-.098	-.073	-.055	-.008	.020	.719
-.060	-.052	-.044	-.031	-.032	-.033	-.032	.774
-.034	-.027	-.025	-.015	-.018	-.024	-.033	.830
-.050	-.062	-.066	-.070	-.084	-.109	-.139	.871
							.166
							.277
							.367
							.387
							.443
							.498
							.553
							.609
							.664
							.719
							.774
							.830
							.871

TABLE V.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

0.5 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Concluded

(e) Station E

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
M = 0.800; q = 308 lb/sq ft							
.055	.030	.044	.066	.091	.118	.175	.245
.166	-.008	.002	.013	.030	.048	.092	.150
.277	-.021	-.019	-.010	.006	.027	.070	.128
.367	-.019	-.001	.025	.051	.082	.143	.225
.387	-.103	-.087	.030	-.071	-.018	.113	.204
.443	-.204	-.149	-.095	-.049	.005	.099	.198
.498	-.211	-.156	-.098	-.049	.001	.093	.184
.553	-.194	-.144	-.090	-.046	.002	.081	.162
.609	-.146	-.115	-.074	-.041	-.003	.060	.117
.664	-.067	-.053	-.029	-.007	.019	.064	.095
.719	-.041	-.032	-.024	-.013	.004	.026	.028
.774	-.008	-.006	.001	.006	.017	.028	.023
.830	.002	.001	.002	.006	.012	.020	.016
.871	-.021	-.025	-.026	-.027	-.025	-.031	-.048
.954	.059	.055	.053	.050	.048	.042	.030
M = 0.940; q = 365 lb/sq ft							
.055	.038	.052	.074	.096	.122	.188	.262
.166	-.011	-.002	.010	.020	.041	.096	.157
.277	-.022	-.021	-.016	-.005	.009	.061	.134
.367	.035	.039	.055	.072	.100	.166	.249
.387	-.058	-.039	-.011	.013	.048	.133	.233
.443	-.196	-.150	-.101	-.059	-.005	.108	.223
.498	-.231	-.173	-.124	-.080	-.022	.093	.199
.553	-.273	-.226	-.176	-.116	-.046	.066	.165
.609	-.321	-.279	-.183	-.091	-.040	.036	.115
.664	-.306	-.107	-.035	-.021	.003	.035	.081
.719	-.017	-.017	-.016	-.011	.002	-.005	-.019
.774	.003	-.002	.003	.009	.020	.027	-.025
.830	-.005	-.004	.000	.001	.012	.025	-.024
.871	-.031	-.030	-.033	-.037	-.030	-.035	-.080
.954	.059	.059	.057	.055	.052	.051	.032
M = 1.030; q = 397 lb/sq ft							
.055	.097	.112	.131	.152	.180	.242	.319
.166	.043	.051	.064	.079	.099	.140	.198
.277	-.007	.000	.013	.028	.041	.076	.176
.367	.123	.110	.117	.129	.150	.231	.320
.387	.055	.055	.068	.088	.120	.207	.311
.443	-.089	-.060	-.026	.014	.067	.183	.303
.498	-.132	-.100	-.053	-.006	.046	.158	.275
.553	-.173	-.135	-.093	-.053	-.003	.115	.237
.609	-.227	-.190	-.146	-.102	-.052	.079	.187
.664	-.249	-.206	-.165	-.114	-.047	.076	.153
.719	-.220	-.168	-.142	-.113	-.071	-.039	-.004
.774	-.076	-.059	-.031	-.037	-.048	-.065	-.057
.830	-.059	-.054	-.039	-.033	-.034	-.047	-.041
.871	-.077	-.096	-.099	-.111	-.126	-.154	-.147
.954	-.029	-.045	-.042	-.053	-.078	-.104	-.124
M = 1.200; q = 437 lb/sq ft							
.055	.078	.097	.120	.139	.166	.227	.297
.166	.021	.028	.054	.069	.084	.127	.183
.277	.009	.016	.025	.032	.048	.083	.135
.367	-.006	-.003	.000	.002	.015	.034	.076
.387	.008	.010	.013	.010	.010	.035	.075
.443	-.039	-.015	.021	.049	.086	.175	.301
.498	-.082	-.046	-.007	.039	.080	.186	.298
.553	-.104	-.072	-.027	.015	.054	.150	.261
.609	-.146	-.111	-.084	-.042	.005	.103	.204
.664	-.164	-.129	-.082	-.032	.008	.098	.209
.719	-.192	-.164	-.124	-.091	-.055	.026	.120
.774	-.071	-.069	-.063	-.055	-.043	-.015	.022
.830	-.020	-.023	-.013	-.013	-.009	.008	.016
.871	-.061	-.074	-.082	-.090	-.091	-.096	-.083
.954	-.021	-.032	-.043	-.053	-.064	-.081	-.083

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 350 lb/sq ft							
.033	.052	.073	.092	.119	.186	.252	.055
-.005	.003	.014	.030	.042	.093	.152	.166
-.017	-.017	-.008	.003	.014	.066	.129	.277
.015	.026	.044	.067	.089	.158	.238	.367
-.030	-.051	-.007	-.001	-.034	.120	.211	.387
-.209	-.151	-.100	-.051	-.005	.106	.210	.443
-.232	-.176	-.114	-.066	-.015	.093	.194	.498
-.282	-.207	-.132	-.076	-.029	.076	.162	.553
-.266	-.166	-.103	-.061	-.023	.057	.118	.609
-.071	-.062	-.035	-.012	.010	.065	.091	.664
-.032	-.033	-.023	-.009	-.003	.027	.014	.719
-.005	-.003	.003	.010	.012	.037	.003	.774
.000	.002	.002	.006	.007	.024	-.001	.830
-.024	-.024	-.026	-.031	-.035	-.031	-.056	.871
.061	.061	.057	.055	.051	.047	.036	.954
M = 0.980; q = 380 lb/sq ft							
.048	.065	.088	.108	.138	.199	.276	.055
.001	.006	.018	.031	.049	.100	.166	.166
-.010	-.017	-.012	-.001	.018	.068	.145	.277
.069	.073	.083	.101	.124	.184	.270	.367
-.013	-.000	.020	.043	.070	.064	.266	.387
-.158	-.119	-.075	-.026	.020	.126	.247	.443
-.205	-.153	-.095	-.052	-.007	.102	.221	.498
-.242	-.198	-.152	-.111	-.060	.063	.181	.553
-.301	-.261	-.205	-.165	-.114	.028	.131	.609
-.318	-.274	-.222	-.161	-.086	.013	.089	.664
-.189	-.119	-.090	-.039	-.058	-.099	-.064	.719
-.001	.018	.031	.026	.006	-.045	-.107	.774
.010	.022	.029	.027	.022	-.004	-.032	.830
-.008	-.005	-.001	-.016	-.020	-.043	-.105	.871
.081	.080	.071	.071	.070	.062	.036	.954
M = 1.125; q = 401 lb/sq ft							
.062	.076	.101	.128	.151	.212	.281	.055
.004	.011	.038	.058	.073	.118	.172	.166
-.010	-.004	.006	.023	.033	.067	.114	.277
-.016	-.009	-.011	-.001	.004	.030	.065	.367
.008	-.007	.015	.023	.023	.039	.161	.387
-.064	-.035	-.011	.030	.069	.171	.296	.443
-.109	-.072	-.028	.024	.071	.175	.287	.498
-.137	-.098	-.054	-.007	.035	.135	.256	.553
-.185	-.144	-.102	-.055	-.011	.094	.222	.609
-.194	-.158	-.110	-.063	-.018	.094	.211	.664
-.208	-.173	-.132	-.098	-.061	.019	.069	.719
-.061	-.060	-.053	-.042	-.038	-.025	-.009	.774
-.032	-.035	-.030	-.023	-.022	-.016	.002	.830
-.061	-.070	-.087	-.096	-.102	-.107	-.103	.871
.041	.014	-.008	-.025	-.047	-.068	-.073	.954
							.055
							.166
							.277
							.367
							.387
							.443
							.498
							.553
							.609
							.664
							.719
							.774
							.830
							.871
							.954

TABLE VI.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE

OF 1.0 ATMOSPHERE FOR BODY IN PRESENCE OF WING

(a) Station A

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
	M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
.055	.066	.056	.042	.017				.111	.103	.100	.097	.104	.074	.056	.055
.166	.050	.027	.012	-.001	-.014	-.028	-.034	.047	.025	.009	-.006	.002	-.017	-.017	.166
.277	.033	.010	-.004	-.016	-.027	-.036	-.030	.027	.003	-.010	-.023	-.011	-.020	.000	.277
.367	.171	.136	.104	.074	.043	.009	.011	.185	.147	.119	.090	.085	.059	.087	.367
.387	.124	.082	.046	.007	-.026	-.093	-.155	.138	.094	.059	.025	.015	-.039	-.076	.387
.415	.091	.042	-.001	-.047	-.094	-.190	-.299	.101	.050	.005	-.041	-.063	-.150	-.226	.415
.443	.071	.018	-.028	-.076	-.130	-.236	-.363	.075	.018	-.032	-.083	-.113	-.217	-.308	.443
.498	.054	-.001	-.050	-.102	-.155	-.246	-.341	.045	-.014	-.069	-.127	-.162	-.243	-.365	.498
.553	.030	-.018	-.062	-.109	-.155	-.223	-.266	.009	-.048	-.104	-.173	-.232	-.323	-.432	.553
.581	-.011	-.053	-.089	-.125	-.165	-.233	-.272	-.031	-.081	-.127	-.184	-.254	-.404	-.515	.581
.609	.008	-.029	-.061	-.094	-.124	-.163	-.197	-.012	-.056	-.096	-.143	-.165	-.384	-.480	.609
.636	-.005	-.035	-.058	-.082	-.104	-.134	-.170	-.021	-.056	-.083	-.116	-.119	-.404	-.484	.636
.664	-.005	-.028	-.045	-.059	-.077	-.093	-.128	-.018	-.043	-.059	-.079	-.069	-.087	-.074	.664
.692	.005	-.012	-.022	-.031	-.043	-.044	-.074	-.001	-.018	-.026	-.038	-.022	-.007	-.028	.692
.719	.008	-.004	-.010	-.015	-.020	-.017	-.042	.005	-.007	-.011	-.016	.004	.017	-.013	.719
.774															.774
.830	.000	-.003	-.001	.003	.003	.010	.000	-.007	-.007	-.003	-.001	.022	.028	.004	.830
.871	-.005	-.006	-.001	.005	.005	.007	.004	-.014	-.010	-.004	.000	.024	.020	.007	.871
.954	.024	.029	.035	.042	.043	.042	.036	.023	.028	.037	.040	.065	.054	.048	.954
	M = 0.940; q = 730 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
.055						.060	.049								
.166	.045	.020	.006	-.008	-.016	-.025	-.023	.112	.115	.102	.108	.089	.056	.044	.055
.277	.025	-.002	-.015	-.028	-.032	-.027	.002	.051	.028	.012	.000	-.010	-.022	-.012	.166
.367	.196	.158	.130	.103	.083	.073	.112	.028	.002	-.013	-.023	-.028	-.017	.019	.277
.387	.150	.105	.071	.041	.018	-.020	-.050	.216	.182	.153	.130	.113	.106	.154	.367
.415	.110	.057	.013	-.030	-.066	-.131	-.198	.172	.133	.100	.073	.051	.019	-.004	.387
.443	.079	.020	-.030	-.075	-.121	-.202	-.277	.130	.080	.038	.001	-.033	-.089	-.150	.415
.498	.043	-.019	-.077	-.125	-.178	-.256	-.349	.096	.042	-.008	-.049	-.093	-.163	-.230	.443
.553	-.005	-.073	-.150	-.200	-.241	-.326	-.418	.053	-.003	-.054	-.105	-.151	-.220	-.307	.498
.581	-.047	-.105	-.188	-.264	-.312	-.404	-.499	-.016	-.080	-.130	-.174	-.219	-.292	-.369	.553
.609	-.029	-.082	-.141	-.249	-.302	-.395	-.489	-.062	-.142	-.197	-.241	-.287	-.371	-.452	.581
.636	-.039	-.073	-.114	-.211	-.324	-.423	-.519	-.058	-.130	-.188	-.241	-.290	-.365	-.446	.609
.664	-.033	-.053	-.068	-.072	-.244	-.445	-.505	-.084	-.157	-.216	-.264	-.312	-.398	-.481	.636
.692	-.011	-.019	-.028	-.024	-.036	-.252	-.436	-.091	-.166	-.234	-.288	-.337	-.422	-.505	.664
.719	.005	-.003	-.008	-.005	.005	-.002	-.020	-.094	-.142	-.207	-.270	-.323	-.425	-.522	.692
.774								-.052	-.031	-.037	-.084	-.129	-.291	-.453	.719
.830	-.010	-.008	-.005	.001	.009	.037	.003								.774
.871	-.015	-.011	-.006	.000	.007	.024	.001	-.023	.001	.022	.035	.040	.028	.012	.830
.954	.028	.032	.038	.042	.047	.055	.047	-.019	.001	.017	.030	.039	.042	.035	.871
								.031	.043	.053	.064	.074	.088	.091	.954

TABLE VI.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(a) Station A - Concluded

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
	M = 1.050; q = 794 lb/sq ft						
.055	.149	.152	.130	.138	.124	.102	-.026
.166	.091	.073	.060	.044	.037	.021	.014
.277	.033	.024	.012	-.001	-.003	-.021	.056
.367	.260	.217	.188	.159	.152	.164	.215
.387	.226	.182	.150	.121	.105	.086	.062
.415	.186	.132	.088	.051	.025	-.018	-.083
.443	.151	.092	.043	-.003	-.036	-.089	-.159
.498	.110	.052	-.007	-.056	-.097	-.147	-.235
.553	.034	-.022	-.073	-.120	-.158	-.217	-.294
.581	-.027	-.085	-.142	-.185	-.219	-.290	-.376
.609	-.015	-.073	-.136	-.188	-.226	-.290	-.369
.636	-.044	-.101	-.161	-.211	-.247	-.321	-.408
.664	-.064	-.118	-.180	-.235	-.269	-.346	-.430
.692	-.066	-.113	-.172	-.229	-.266	-.356	-.449
.719	-.078	-.092	-.112	-.153	-.173	-.274	-.416
.774							
.830	-.074	-.063	-.047	-.048	-.049	-.070	-.073
.871	-.092	-.077	-.062	-.057	-.054	-.069	-.053
.954	-.127	-.118	-.090	-.064	-.051	-.038	-.047
	M = 1.000; q = 875 lb/sq ft						
.055							
.166	.075	.057	.046	.033	.021	-.001	-.003
.277	.039	.022	.014	.006	.006	-.012	-.010
.367	.080	.070	.056	.041	.037	.046	.072
.387	.046	.035	.037	.040	.042	.033	.046
.415	.175	.135	.111	.076	.045	-.002	-.042
.443	.164	.121	.080	.044	.012	-.054	-.104
.498	.143	.094	.049	.001	-.040	-.099	-.154
.553	.083	.036	-.008	-.051	-.086	-.150	-.203
.581	.018	-.026	-.062	-.107	-.144	-.206	-.270
.609	.018	-.028	-.073	-.118	-.152	-.210	-.264
.636	-.008	-.057	-.094	-.133	-.171	-.241	-.305
.664	-.019	-.063	-.109	-.157	-.195	-.254	-.303
.692	-.031	-.075	-.111	-.154	-.190	-.261	-.334
.719	-.047	-.086	-.118	-.155	-.191	-.264	-.343
.774							
.830	-.049	-.053	-.050	-.047	-.040	-.030	-.015
.871	-.079	-.071	-.054	-.043	-.029	-.019	-.012
.954	-.088	-.080	-.067	-.056	-.043	-.034	-.037

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 1.175; q = 842 lb/sq ft							
.069	.103	.028	.097	.078	.068	.054	.055
.063	.049	.038	.017	.002	-.004	-.016	.166
.027	.014	.002	-.009	-.019	-.025	-.025	.277
.074	.06[illegible]	.050	.038	.029	.050	.140	.367
.144	.10[illegible]	.088	.071	.054	.041	.056	.387
.173	.13[illegible]	.101	.065	.030	-.020	-.055	.415
.149	.09[illegible]	.062	.017	-.019	-.078	-.112	.443
.115	.05[illegible]	.016	-.032	-.075	-.120	-.187	.498
.056	.000	-.040	-.088	-.127	-.179	-.231	.553
-.006	-.058	-.095	-.143	-.186	-.246	-.293	.581
-.005	-.062	-.104	-.152	-.194	-.242	-.287	.609
-.022	-.082	-.125	-.173	-.211	-.273	-.330	.636
-.039	-.090	-.130	-.183	-.226	-.287	-.342	.664
-.042	-.097	-.135	-.182	-.228	-.294	-.365	.692
-.050	-.091	-.122	-.160	-.197	-.266	-.358	.719
							.774
-.053	-.050	-.047	-.041	-.041	-.032	-.027	.830
-.071	-.060	-.050	-.038	-.033	-.025	-.017	.871
-.068	-.079	-.058	-.039	-.022	-.004	.010	.954
							.055
							.166
							.277
							.367
							.387
							.415
							.443
							.498
							.553
							.581
							.609
							.636
							.664
							.692
							.719
							.774
							.830
							.871
							.954

TABLE VI.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(b) Station B

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
	M = 0.800; q = 618 lb/sq ft						
.166	.032	.021	.014	.005	-.011	-.045	-.079
.277	.011	-.000	-.007	-.016	-.030	-.057	-.082
.367	.101	.073	.049	.020	-.016	-.093	-.182
.387	.207	.163	.119	.069	.018	-.093	-.215
.443	.092	.032	-.024	-.084	-.149	-.284	-.446
.498	.031	-.023	-.073	-.126	-.185	-.316	-.470
.553							
.609	-.010	-.044	-.073	-.103	-.140	-.213	-.263
.664							
.719	.009	.000	-.001	-.003	-.010	-.011	-.050
.774							
.830	.001	-.001	.002	.007	.004	.008	.003
.871	-.001	-.002	.002	.006	.006	.015	.009
	M = 0.940; q = 730 lb/sq ft						
.166	.031	.016	.008	-.003	-.016	-.040	-.066
.277	.005	-.011	-.021	-.028	-.037	-.049	-.049
.367	.127	.097	.072	.050	.028	-.018	-.063
.387	.241	.191	.150	.107	.067	-.009	-.098
.443	.099	.033	-.024	-.078	-.129	-.237	-.353
.498	.021	-.045	-.100	-.152	-.210	-.320	-.428
.553							
.609	-.046	-.094	-.148	-.268	-.323	-.442	-.547
.664							
.719	.005	.003	.001	.005	.012	-.028	-.080
.774							
.830	-.010	-.007	-.002	.002	.010	.031	-.002
.871	-.008	-.007	-.002	.000	.009	.029	.012
	M = 1.030; q = 774 lb/sq ft						
.166	.074	.069	.061	.050	.040	.007	-.027
.277	.016	.015	.009	.000	-.007	-.042	.006
.367	.201	.166	.139	.116	.105	.085	.052
.387	.313	.263	.224	.182	.151	.095	.016
.443	.169	.104	.050	-.003	-.046	-.126	-.224
.498	.086	.027	-.034	-.086	-.130	-.206	-.301
.553							
.609	-.033	-.096	-.153	-.200	-.241	-.329	-.424
.664							
.719	-.079	-.082	-.092	-.117	-.131	-.192	-.262
.774							
.830	-.077	-.062	-.046	-.047	-.049	-.076	-.080
.871	-.067	-.065	-.055	-.054	-.054	-.085	-.085
	M = 1.200; q = 873 lb/sq ft						
.166	.062	.053	.050	.037	.020	-.011	-.047
.277	.022	.016	.013	.005	.000	-.029	-.054
.367	-.057	-.053	-.051	-.059	-.061	-.066	-.063
.387	.247	.213	.181	.146	.117	.055	-.014
.443	.166	.118	.077	.029	-.008	-.086	-.175
.498	.110	.063	.025	-.022	-.064	-.143	-.221
.553							
.609	.013	-.039	-.073	-.115	-.155	-.234	-.322
.664							
.719	-.062	-.080	-.094	-.114	-.131	-.147	-.172
.774							
.830	-.063	-.061	-.051	-.052	-.049	-.046	-.043
.871	-.064	-.057	-.045	-.040	-.036	-.052	-.045

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 701 lb/sq ft							
.030	.019	.011	-.002	.004	-.042	-.061	.166
.007	-.008	-.014	-.026	-.035	-.043	-.050	.277
.115	.085	.063	.034	.028	-.007	.003	.367
.227	.180	.137	.090	.065	-.020	-.176	.387
.093	.029	-.028	-.086	-.129	-.254	-.386	.443
.021	-.038	-.092	-.153	-.193	-.334	-.496	.498
							.553
-.028	-.070	-.107	-.151	-.180	-.439	-.567	.609
							.664
.007	-.002	-.002	-.005	.013	.020	-.024	.719
							.774
-.007	-.006	-.000	.001	.014	.026	.007	.830
-.008	-.006	.000	.002	.024	.028	.015	.871
M = 0.960; q = 748 lb/sq ft							
.035	.024	.014	.004	-.009	-.034	-.055	.166
.008	-.006	-.016	-.024	-.033	-.042	-.032	.277
.149	.123	.100	.079	.061	.020	-.015	.367
.264	.218	.177	.138	.100	.032	-.051	.387
.115	.052	-.000	-.048	-.103	-.198	-.300	.443
.029	-.026	-.081	-.133	-.184	-.283	-.378	.498
							.553
-.072	-.147	-.205	-.253	-.308	-.409	-.500	.609
							.664
-.062	-.035	-.032	-.065	-.104	-.225	-.319	.719
							.774
-.023	.003	.026	.036	.038	.022	-.002	.830
-.011	.008	.021	.030	.037	.034	.013	.871
M = 1.100; q = 840 lb/sq ft							
.052	.047	.042	.026	.006	-.018	-.057	.166
.011	.010	.005	-.007	-.019	-.042	-.075	.277
-.069	-.058	-.053	-.055	-.056	-.045	-.025	.367
.265	.221	.191	.150	.112	.046	-.007	.387
.159	.101	.062	.010	-.039	-.108	-.185	.443
.085	.026	-.013	-.064	-.107	-.177	-.245	.498
							.553
-.020	-.075	-.112	-.164	-.210	-.286	-.352	.609
							.664
-.055	-.075	-.091	-.112	-.131	-.149	-.174	.719
							.774
-.061	-.049	-.044	-.040	-.042	-.040	-.033	.830
-.053	-.043	-.041	-.034	-.034	-.052	-.049	.871
							.166
							.277
							.367
							.387
							.443
							.498
							.553
							.609
							.664
							.719
							.774
							.830
							.871

TABLE VI.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(c) Station C

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
	M = 0.800; q = 618 lb/sq ft							M = 0.900; q = 701 lb/sq ft							
.055	.049	.056	.062	.062	.046	.009	-.057	.054	.060	.066	.063	.080	.026	-.035	.055
.166	-.003	.004	.011	.009	-.004	-.043	-.110	-.003	.002	.007	.002	.011	-.035	-.093	.166
.277	-.019	-.013	-.006	-.008	-.020	-.061	-.122	-.019	-.017	-.014	-.018	-.007	-.048	-.098	.277
.353															.353
.367	.306	.307	.309	.303	.292	.251	.177	.331	.322	.318	.309	.328	.300	.261	.367
.692	.034	.032	.039	.046	.050	.058	.024	.031	.021	.039	.043	.069	.063	.007	.692
.719	.013	.011	.013	.020	.024	.031	.020	.016	.011	.015	.019	.046	.056	.033	.719
.774	.006	.004	.007	.010	.011	.021	.005	.001	.003	.008	.008	.035	.048	.009	.774
.830	.022	.024	.025	.025	.027	.045	.036	.017	.020	.021	.019	.046	.063	.039	.830
.871	.035	.032	.035	.037	.037	.051	.041	.030	.029	.033	.033	.056	.065	.048	.871
.954	.033	.034	.038	.041	.039	.037	.038	.033	.035	.040	.040	.059	.050	.050	.954
	M = 0.940; q = 730 lb/sq ft							M = 0.980; q = 758 lb/sq ft							
.055	.059	.062	.067	.064	.064	.022	-.036	.071	.077	.081	.079	.077	.037	-.019	.055
.166	-.003	-.001	.003	.001	-.008	-.040	-.098	.001	.006	.012	.007	-.001	-.034	-.086	.166
.277	-.020	-.022	-.018	-.023	-.029	-.055	-.098	-.017	-.015	-.015	-.019	-.026	-.049	-.081	.277
.353															.353
.367	.344	.331	.326	.317	.320	.309	.278	.363	.350	.343	.335	.340	.333	.315	.367
.692	.006	.030	.041	.048	.041	-.034	-.127	-.113	-.101	-.096	-.093	-.086	-.129	-.191	.692
.719	.023	.023	.020	.027	.039	.009	-.034	-.085	-.078	-.028	-.037	-.055	-.141	-.179	.719
.774	.009	.008	.009	.013	.026	.042	-.013	-.014	.002	.034	.034	.019	-.045	-.149	.774
.830	.017	.019	.019	.020	.029	.063	.013	.013	.011	.046	.045	.041	.017	-.043	.830
.871	.031	.029	.032	.032	.041	.064	.033	.032	.026	.054	.057	.061	.052	.019	.871
.954	.037	.036	.040	.041	.043	.047	.046	.048	.045	.057	.061	.062	.070	.063	.954
	M = 1.030; q = 794 lb/sq ft							M = 1.125; q = 842 lb/sq ft							
.055	.112	.116	.123	.119	.112	.080	.024	.082	.093	.094	.090	.081	.049	-.009	.055
.166	.041	.051	.058	.053	.046	.007	-.063	.019	.032	.037	.032	.017	-.017	-.087	.166
.277	-.007	.007	.012	.007	.004	-.041	-.049	-.006	.007	.009	.007	-.008	-.042	-.115	.277
.353															.353
.367	.392	.368	.356	.343	.353	.372	.363	.272	.282	.270	.265	.257	.226	.139	.367
.692	-.094	-.078	-.075	-.073	-.062	-.073	-.131	-.066	-.080	-.057	-.053	-.050	-.036	-.077	.692
.719	-.092	-.074	-.070	-.072	-.069	-.096	-.130	-.065	-.078	-.057	-.056	-.056	-.054	-.068	.719
.774	-.085	-.058	-.038	-.039	-.049	-.089	-.129	-.059	-.046	-.044	-.043	-.047	-.056	-.081	.774
.830	-.045	-.039	-.023	-.030	-.032	-.076	-.102	-.029	-.022	-.016	-.023	-.025	-.045	-.064	.830
.871	-.024	-.029	-.023	-.027	-.030	-.052	-.062	-.005	-.005	-.005	-.007	-.011	-.015	-.028	.871
.954	-.105	-.095	-.078	-.070	-.075	-.085	-.107	-.052	-.049	-.051	-.053	-.058	-.063	-.056	.954
	M = 1.200; q = 873 lb/sq ft														
.055	.098	.103	.111	.107	.099	.065	-.002								.055
.166	.031	.037	.045	.043	.029	-.013	-.081								.166
.277	.007	.013	.016	.012	.005	-.028	-.109								.277
.353															.353
.367	.257	.259	.260	.257	.249	.217	.123								.367
.692	-.063	-.061	-.053	-.052	-.042	-.034	-.056								.692
.719	-.070	-.066	-.060	-.061	-.056	-.055	-.046								.719
.774	-.065	-.059	-.046	-.047	-.050	-.062	-.088								.774
.830	-.036	-.035	-.023	-.033	-.037	-.057	-.083								.830
.871	-.007	-.010	-.006	-.011	-.013	-.022	-.045								.871
.954	-.093	-.082	-.073	-.072	-.073	-.088	-.114								.954

TABLE VI.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Continued

(d) Station D

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
	M = 0.800; q = 618 lb/sq ft						
.166	.016	.026	.039	.051	.054	.066	.074
.277	-.011	-.003	.008	.019	.022	.028	.036
.367	.024	.055	.091	.121	.148	.185	.225
.387	-.139	-.082	-.029	.019	.054	.129	.200
.443	-.237	-.164	-.100	-.040	.010	.114	.220
.498	-.228	-.163	-.103	-.046	-.000	.099	.196
.553	-.204	-.149	-.097	-.049	-.008	.077	.156
.609	-.151	-.115	-.076	-.038	-.008	.058	.115
.664	-.081	-.064	-.041	-.019	-.003	.038	.064
.719	-.021	-.017	-.006	.007	.010	.029	.030
.774	.007	.009	.016	.023	.023	.037	.028
.830	.017	.018	.023	.027	.028	.032	.025
.871	.001	-.003	-.001	.001	-.002	-.003	-.017
	M = 0.940; q = 730 lb/sq ft						
.166	.015	.021	.031	.040	.052	.068	.083
.277	-.009	-.011	-.003	.004	.011	.028	.046
.367	.085	.100	.124	.145	.170	.216	.261
.387	-.079	-.043	-.002	.035	.075	.194	.237
.443	-.221	-.166	-.107	-.053	.005	.121	.238
.498	-.239	-.182	-.127	-.074	-.023	.091	.203
.553	-.285	-.236	-.186	-.117	-.056	.054	.154
.609	-.333	-.289	-.201	-.091	-.046	.030	.104
.664	-.302	-.111	-.046	-.031	-.018	.003	.038
.719	-.003	-.003	-.001	.007	.016	-.001	-.031
.774	.013	.011	.016	.023	.034	.045	-.011
.830	.009	.010	.016	.022	.030	.047	-.003
.871	-.007	-.011	-.006	-.006	-.006	.001	-.041
	M = 1.030; q = 794 lb/sq ft						
.166	.063	.074	.085	.093	.105	.116	.119
.277	.003	.018	.028	.033	.044	.043	.091
.367	.167	.173	.183	.197	.224	.286	.334
.387	.029	.053	.082	.109	.149	.235	.312
.443	-.117	-.084	-.037	.013	.069	.193	.306
.498	-.147	-.108	-.057	-.005	.046	.155	.267
.553	-.189	-.149	-.105	-.062	-.011	.101	.213
.609	-.239	-.205	-.158	-.118	-.064	.061	.163
.664	-.289	-.233	-.193	-.142	-.075	.043	.105
.719	-.163	-.128	-.105	-.084	-.069	-.063	-.053
.774	-.075	-.050	-.026	-.031	-.039	-.070	-.085
.830	-.050	-.040	-.023	-.020	-.021	-.042	-.061
.871	-.065	-.075	-.075	-.085	-.097	-.142	-.180
	M = 1.200; q = 873 lb/sq ft						
.166	.045	.056	.068	.078	.084	.096	.105
.277	.019	.025	.033	.035	.040	.047	.043
.367	.062	.064	.068	.066	.062	.033	.014
.387	.006	.028	.046	.063	.080	.112	.125
.443	-.077	-.042	-.004	.036	.083	.183	.324
.498	-.096	-.055	-.008	.035	.084	.188	.312
.553	-.115	-.078	-.034	.007	.051	.149	.257
.609	-.152	-.122	-.073	-.033	.006	.090	.197
.664	-.200	-.161	-.115	-.076	-.041	.050	.189
.719	-.141	-.120	-.095	-.075	-.053	-.000	.067
.774	-.071	-.062	-.051	-.045	-.036	-.023	-.013
.830	-.024	-.020	-.013	-.014	-.014	-.022	-.034
.871	-.053	-.056	-.064	-.079	-.087	-.115	-.157

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 701 lb/sq ft							
.016	.025	.037	.041	.072	.078	.091	.166
-.010	-.006	.003	.006	.035	.037	.052	.277
.061	.084	.114	.134	.178	.215	.258	.367
-.106	-.062	-.016	.026	.085	.154	.234	.387
-.238	-.174	-.108	-.052	.024	.128	.241	.443
-.244	-.187	-.123	-.068	.007	.104	.208	.498
-.296	-.228	-.143	-.084	-.013	.076	.165	.553
-.288	-.168	-.106	-.066	-.007	.059	.122	.609
-.084	-.073	-.048	-.030	.011	.043	.065	.664
-.019	-.017	-.004	.001	.030	.043	.026	.719
.005	.008	.014	.019	.046	.056	.026	.774
.011	.014	.019	.021	.043	.050	.024	.830
-.006	-.008	-.005	-.007	.013	.009	-.015	.871
M = 0.980; q = 758 lb/sq ft							
.022	.030	.038	.047	.059	.077	.096	.166
-.004	-.003	-.000	.006	.014	.034	.061	.277
.117	.132	.151	.172	.193	.239	.289	.367
-.041	-.007	.028	.063	.099	.177	.266	.387
-.191	-.140	-.085	-.033	.022	.137	.260	.443
-.217	-.161	-.106	-.056	-.008	.101	.220	.498
-.261	-.211	-.163	-.118	-.067	.052	.167	.553
-.312	-.268	-.218	-.175	-.127	.013	.113	.609
-.355	-.303	-.248	-.188	-.108	-.018	.046	.664
-.145	-.097	-.049	-.037	-.031	-.114	-.187	.719
-.001	.025	.041	.038	.023	-.035	-.121	.774
.013	.033	.044	.046	.042	.017	-.021	.830
.006	.014	.016	.014	.008	-.010	-.070	.871
M = 1.125; q = 842 lb/sq ft							
.034	.049	.060	.071	.079	.090	.099	.166
.004	.016	.021	.031	.031	.037	.031	.277
.072	.078	.081	.086	.076	.048	.020	.367
-.006	.025	.042	.068	.089	.152	.265	.387
-.091	-.053	-.022	.036	.079	.186	.313	.443
-.124	-.073	-.036	.020	.071	.178	.289	.498
-.151	-.101	-.065	-.016	.027	.126	.243	.553
-.195	-.152	-.115	-.061	-.019	.083	.203	.609
-.224	-.173	-.138	-.088	-.042	.074	.181	.664
-.139	-.113	-.097	-.073	-.051	-.002	.024	.719
-.059	-.045	-.041	-.032	-.031	-.028	-.035	.774
-.029	-.019	-.015	-.009	-.012	-.016	-.028	.830
-.053	-.057	-.065	-.073	-.087	-.111	-.143	.871
							.166
							.277
							.367
							.387
							.443
							.498
							.553
							.609
							.664
							.719
							.774
							.830
							.871

TABLE VI.- PRESSURE COEFFICIENTS AT STAGNATION PRESSURE OF

1.0 ATMOSPHERE FOR BODY IN PRESENCE OF WING - Concluded

(e) Station E

x/l	α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°
	M = 0.800; q = 618 lb/sq ft						
.055	.028	.044	.065	.090	.115	.173	.242
.166	-.007	.000	.015	.031	.047	.093	.151
.277	-.022	-.017	-.006	.012	.025	.070	.133
.367	-.020	.002	.031	.059	.084	.148	.224
.387	-.112	-.076	-.039	.000	.032	.114	.203
.443	-.207	-.150	-.098	-.047	-.004	.090	.193
.498	-.209	-.152	-.098	-.044	-.003	.093	.186
.553	-.188	-.139	-.089	-.040	-.002	.082	.163
.609	-.139	-.106	-.067	-.030	-.000	.068	.128
.664	-.060	-.042	-.016	.009	.027	.075	.111
.719	-.037	-.031	-.020	-.006	.002	.027	.038
.774	-.000	-.000	.006	.013	.017	.031	.030
.830	.010	.006	.012	.016	.015	.025	.024
.871	-.020	-.023	-.025	-.025	-.033	-.034	-.044
.954	.061	.056	.057	.056	.048	.043	.033
	M = 0.940; q = 750 lb/sq ft						
.055	.048	.060	.078	.096	.122	.184	.256
.166	-.007	-.006	.009	.024	.044	.092	.155
.277	-.017	-.023	-.013	-.001	.016	.065	.134
.367	.034	.041	.058	.076	.102	.165	.247
.387	-.060	-.042	-.017	.010	.046	.128	.227
.443	-.200	-.156	-.109	-.061	-.011	.096	.210
.498	-.230	-.176	-.126	-.075	-.025	.085	.193
.553	-.270	-.227	-.174	-.109	-.046	.062	.159
.609	-.312	-.270	-.192	-.086	-.036	.042	.119
.664	-.297	-.106	-.026	-.007	.014	.044	.086
.719	-.010	-.016	-.015	-.006	.003	-.000	-.017
.774	.010	.003	.008	.013	.025	.034	-.014
.830	.004	.000	.005	.010	.017	.036	-.009
.871	-.026	-.031	-.032	-.034	-.035	-.032	-.072
.954	.064	.059	.060	.059	.056	.051	.038
	M = 1.050; q = 794 lb/sq ft						
.055	.101	.115	.132	.149	.172	.237	.307
.166	.037	.047	.065	.078	.096	.137	.189
.277	-.006	.005	.018	.025	.047	.076	.173
.367	.120	.115	.121	.131	.156	.231	.311
.387	.045	.049	.067	.083	.116	.205	.298
.443	-.098	-.074	-.035	.006	.054	.170	.278
.498	-.139	-.107	-.055	-.008	.041	.149	.259
.553	-.175	-.138	-.096	-.051	-.004	.109	.222
.609	-.222	-.188	-.143	-.100	-.048	.073	.178
.664	-.244	-.197	-.156	-.106	-.042	.081	.152
.719	-.225	-.170	-.141	-.107	-.074	-.045	-.015
.774	-.074	-.056	-.032	-.042	-.048	-.073	-.071
.830	-.057	-.049	-.034	-.029	-.029	-.044	-.045
.871	-.084	-.101	-.104	-.117	-.129	-.156	-.162
.954	-.031	-.042	-.044	-.058	-.081	-.103	-.122
	M = 1.200; q = 873 lb/sq ft						
.055	.085	.103	.121	.137	.161	.225	.303
.166	.025	.036	.051	.067	.086	.131	.193
.277	.009	.015	.026	.034	.047	.089	.144
.367	-.008	-.006	-.006	.002	.015	.034	.076
.387	-.005	-.003	-.001	-.004	.001	.026	.070
.443	-.055	-.025	.003	.030	.069	.159	.289
.498	-.094	-.053	-.009	.033	.079	.177	.301
.553	-.110	-.072	-.028	.013	.057	.152	.268
.609	-.146	-.125	-.080	-.039	.010	.109	.220
.664	-.166	-.125	-.076	-.028	.023	.089	.225
.719	-.196	-.165	-.125	-.093	-.055	.025	.122
.774	-.075	-.075	-.068	-.062	-.049	-.020	.023
.830	-.022	-.019	-.014	-.015	-.011	.008	.023
.871	-.067	-.078	-.083	-.090	-.091	-.093	-.091
.954	-.029	-.037	-.045	-.058	-.067	-.078	-.087

α = -4°	α = -2°	α = 0°	α = 2°	α = 4°	α = 8°	α = 12°	x/l
M = 0.900; q = 701 lb/sq ft							
.039	.047	.069	.093	.137	.189	.261	.055
-.009	-.003	.011	.024	.063	.102	.165	.166
-.020	-.021	-.009	.000	.037	.076	.143	.277
.012	.026	.048	.067	.113	.167	.248	.367
-.084	-.058	-.027	.003	.059	.130	.228	.387
-.214	-.161	-.106	-.059	.011	.104	.213	.443
-.232	-.182	-.120	-.068	.002	.098	.200	.498
-.283	-.213	-.133	-.077	-.007	.083	.172	.553
-.271	-.162	-.101	-.058	.002	.069	.135	.609
-.067	-.055	-.028	-.003	.041	.080	.113	.664
-.033	-.032	-.020	-.011	.022	.039	.030	.719
-.003	-.000	.004	.010	.037	.050	.022	.774
.003	.001	.006	.010	.033	.041	.020	.830
-.027	-.023	-.030	-.034	-.017	-.026	-.048	.871
.060	.057		.054	.072	.059	.048	.954
M = 0.980; q = 758 lb/sq ft							
.059	.075	.091	.110	.135	.197	.271	.055
-.004	.004	.015	.031	.050	.098	.165	.166
-.011	-.015	-.010	.003	.018	.069	.146	.277
.063	.071	.084	.103	.125	.183	.246	.367
-.023	-.008	.013	.039	.068	.149	.252	.387
-.171	-.130	-.085	-.041	.006	.114	.232	.443
-.209	-.156	-.104	-.056	-.014	.095	.212	.498
-.243	-.200	-.151	-.107	-.062	.057	.174	.553
-.294	-.254	-.200	-.159	-.111	.026	.129	.609
-.310	-.265	-.214	-.156	-.086	.023	.095	.664
-.184	-.123	-.058	-.039	-.053	-.098	-.070	.719
.006	.025	.037	.032	.013	-.040	-.111	.774
.016	.027	.033	.035	.030	.007	-.013	.830
-.004	-.003	-.005	-.014	-.024	-.045	-.087	.871
.081	.080	.076	.073	.068	.066	.041	.954
M = 1.125; q = 842 lb/sq ft							
.072	.095	.104	.127	.150	.212	.280	.055
.008	.023	.035	.058	.075	.121	.177	.166
-.007	.002	.009	.026	.038	.079	.125	.277
-.011	-.011	-.009	-.001	.004	.032	.067	.367
.001	.009	.008	.011	.012	.030	.134	.387
-.073	-.042	-.024	.020	.059	.161	.281	.443
-.109	-.066	-.030	.026	.069	.171	.281	.498
-.137	-.090	-.058	-.007	.034	.132	.251	.553
-.178	-.129	-.098	-.044	.001	.101	.218	.609
-.183	-.133	-.102	-.051	-.005	.107	.221	.664
-.208	-.164	-.137	-.096	-.061	.024	.071	.719
-.059	-.052	-.050	-.040	-.037	-.024	-.012	.774
-.029	-.027	-.024	-.020	-.020	-.010	.003	.830
-.066	-.081	-.092	-.100	-.107	-.107	-.105	.871
.033	.002	-.014	-.037	-.056	-.071	-.075	.954
							.055
							.166
							.277
							.367
							.387
							.443
							.498
							.553
							.609
							.664
							.719
							.774
							.830
							.871
							.954

TABLE VII.- WING SECTION DATA

α, deg	$\frac{y}{b/2}$ = 0.12				$\frac{y}{b/2}$ = 0.25						$\frac{y}{b/2}$ = 0.40					
	c_n		c_m		$\Delta\alpha$, deg		c_n		c_m		$\Delta\alpha$, deg		c_n		c_m	
	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm
M = 0.800																
-4	-0.2516	-0.2531	0.0162	0.0160	0.03	0.06	-0.2869	-0.2922	-0.0044	-0.0019	0.07	0.14	-0.3645	-0.3712	-0.0245	-0.0218
-2	-.1457	-.1367	.0040	.0024	.02	.05	-.1682	-.1572	-.0082	-.0073	.05	.10	-.2265	-.2065	-.0245	-.0217
0	-.0110	-.0225	-.0124	-.0110	.01	.02	-.0111	-.0221	-.0153	-.0132	.02	.04	-.0334	-.0485	-.0270	-.0266
2	.0861	.0920	-.0239	-.0238	-.01	-.01	.0931	.1039	-.0211	-.0215	-.01	-.03	.0822	.0942	-.0337	-.0335
4	.2000	.2030	-.0351	-.0355	-.02	-.04	.2223	.2270	-.0291	-.0291	-.04	-.08	.2428	.2402	-.0389	-.0387
8	.4348	.4372	-.0580	-.0595	-.04	-.08	.4714	.4735	-.0420	-.0432	-.09	-.19	.5335	.5379	-.0410	-.0432
12	.6732	.6734	-.0719	-.0728	-.06	-.11	.7408	.7556	-.0542	-.0651	-.12	-.24	.9909	.9618	-.1040	-.0799
M = 0.900																
-4	-0.2692	-0.2799	0.0277	0.0297	0.04	0.08	-0.3011	-0.3200	0.0055	0.0075	0.08	0.17	-0.3812	-0.4113	-0.0182	-0.0129
-2	-.1538	-.1486	.0090	.0079	.03	.06	-.1786	-.1673	-.0046	-.0029	.06	.13	-.2409	-.2260	-.0222	-.0232
0	-.0172	-.0221	-.0120	-.0110	.01	.02	-.0167	-.0194	-.0158	-.0141	.02	.04	-.0390	-.0436	-.0302	-.0293
2	.0953	.0985	-.0286	-.0283	-.01	-.02	.1074	.1129	-.0258	-.0251	-.02	-.04	.1000	.1056	-.0386	-.0383
4	.2186	.2214	-.0454	-.0465	-.02	-.05	.2445	.2484	-.0368	-.0373	-.06	-.11	.2667	.2618	-.0451	-.0457
8	.4889	.4900	-.0899	-.0903	-.06	-.12	.5395	.5499	-.0732	-.0738	-.13	-.27	.6099	.6171	-.0666	-.0659
12	.7053	.7254	-.1092	-.1136	-.07	-.14	.7997	.7948	-.0981	-.1013	-.15	-.30	.9506	.9756	-.1163	-.1040
M = 0.940																
-4	-0.3000	-0.3095	0.0548	0.0565	0.04	0.09	-0.3252	-0.3364	0.0243	0.0242	0.10	0.20	-0.4172	-0.4345	0.0056	0.0098
-2	-.1713	-.1707	.0237	.0238	.03	.07	-.1946	-.1860	.0069	.0089	.08	.15	-.2630	-.2540	-.0120	-.0128
0	-.0254	-.0256	-.0106	-.0099	.01	.02	-.0244	-.0218	-.0144	-.0132	.02	.04	-.0462	-.0452	-.0320	-.0302
2	.0975	.1063	-.0343	-.0348	-.01	-.02	.1111	.1265	-.0519	-.0333	-.02	-.05	.0995	.1189	-.0438	-.0449
4	.2479	.2445	-.0680	-.0671	-.03	-.06	.2704	.2700	-.0561	-.0542	-.07	-.14	.3013	.2972	-.0680	-.0673
8	.5212	.5074	-.1201	-.1184	-.07	-.14	.5578	.5504	-.0951	-.0915	-.16	-.31	.6462	.6291	-.0966	-.0928
12	.7526	.7416	-.1403	-.1434	-.08	-.15	.8262	.7979	-.1241	-.1156	-.17	-.33	.9534	.9292	-.1319	-.1184
M = 0.980																
-4	-0.2811	-0.2826	0.0486	0.0481	0.05	0.11	-0.3332	-0.3336	0.0378	0.0384	0.12	0.23	-0.4309	-0.4229	0.0263	0.0288
-2	-.1497	-.1513	.0195	.0195	.04	.07	-.1804	-.1753	.0132	.0142	.09	.17	-.2489	-.2428	-.0017	-.0027
0	-.0254	-.0262	-.0080	-.0074	.01	.02	-.0262	-.0261	-.0115	-.0103	.02	.05	-.0529	-.0520	-.0303	-.0281
2	.0957	.0895	-.0335	-.0313	-.01	-.02	.1128	.1077	-.0341	-.0318	-.03	-.06	.1175	.1057	-.0579	-.0551
4	.2196	.2182	-.0605	-.0599	-.04	-.07	.2565	.2550	-.0615	-.0601	-.09	-.15	.2938	.2822	-.0844	-.0815
8	.4762	.4729	-.1097	-.1103	-.08	-.15	.5314	.5335	-.1016	-.1017	-.18	-.35	.6185	.6103	-.1105	-.1101
12	.7287	.7236	-.1503	-.1489	-.11	-.28	.8219	.8016	-.1467	-.1373	-.25	-.49	.9274	.9323	-.1399	-.1397
M = 1.030																
-4	-0.2578	-0.2587	0.0416	0.0413	0.06	0.11	-0.3013	-0.3041	0.0310	0.0306	0.13	0.26	-0.3931	-0.3976	0.0251	0.0252
-2	-.1477	- 1431	.0183	.0172	.04	.07	-.1766	-.1639	.0111	.0109	.09	.17	-.2416	-.2260	-.0038	-.0072
0	-.0237	-.0268	-.0090	-.0073	.01	.02	-.0229	-.0249	-.0126	-.0104	.03	.05	-.0555	-.0531	-.0306	-.0290
2	.0921	.0884	-.0324	-.0311	-.01	-.03	.1125	.1112	-.0357	-.0347	-.03	-.06	.1122	.1069	-.0558	-.0548
4	.2097	.2074	-.0570	-.0560	-.04	-.07	.2440	.2442	-.0589	-.0576	-.08	-.16	.2749	.2686	-.0800	-.0791
8	.4543	.4495	-.1055	-.1046	-.08	-.15	.5084	.5093	-.1004	-.1003	-.18	-.34	.5915	.5860	-.1107	-.1098
12	.6963	.6915	-.1449	-.1440	-.12	-.22	.7775	.7720	-.1392	-.1361	-.27	-.49	.8886	.8986	-.1386	-.1421
M = 1.125																
-4	-0.2381	-0.2295	0.0353	0.0325	0.06	0.11	-0.2812	-0.2665	0.0305	0.0296	0.13	0.25	-0.3625	-0.3514	0.0250	0.0164
-2	-.1283	-.1084	.0121	.0077	.04	.07	-.1479	-.1194	.0073	.0037	.09	.15	-.2077	-.1754	-.0076	-.0152
0	-.0232	-.0202	-.0094	-.0101	.01	.02	-.0207	-.0167	-.0133	-.0136	.03	.05	-.0510	-.0533	-.0327	-.0348
2	.0865	.1031	-.0311	-.0339	-.01	-.03	.1065	.1258	-.0345	-.0368	-.03	-.07	.1034	.1236	-.0560	-.0594
4	.1944	.2116	-.0525	-.0549	-.03	-.07	.2289	.2490	-.0551	-.0582	-.08	-.17	.2565	.2746	-.0783	-.0814
8	.4221	.4291	-.0960	-.0967	-.08	-.15	.4797	.4861	-.0957	-.0966	-.18	-.34	.5626	.5687	-.1168	-.1155
12	.6481	.6494	-.1380	-.1372	-.11	-.22	.7265	.7344	-.1340	-.1307	-.26	-.50	.8498	.8593	-.1490	-.1491
M = 1.200																
-4	-0.2147	-0.2223	0.0298	0.0308	0.05	0.11	-0.2430	-0.2548	0.0229	0.0265	0.11	0.25	-0.3121	-0.3308	0.0151	0.0114
-2	-.1234	-.1231	.0110	.0113	.04	.07	-.1450	-.1398	.0070	.0067	.09	.17	-.2029	-.2047	-.0078	-.0109
0	-.0209	-.0215	-.0084	-.0074	.01	.03	-.0208	-.0172	-.0138	-.0146	.03	.06	-.0552	-.0551	-.0291	-.0311
2	.0777	.0781	-.0271	-.0266	-.01	-.02	.0991	.1022	-.0344	-.0348	-.02	-.04	.0907	.0927	-.0504	-.0510
4	.1763	.1811	-.0464	-.0465	-.03	-.06	.2143	.2159	-.0552	-.0530	-.07	-.14	.2267	.2319	-.0698	-.0703
8	.3882	.3939	-.0857	-.0853	-.07	-.14	.4523	.4516	-.0934	-.0905	-.17	-.32	.5141	.5134	-.1099	-.1091
12	.6063	.6206	-.1287	-.1286	-.11	-.22	.6804	.7067	-.1299	-.1314	-.25	-.50	.8052	.8269	-.1510	-.1514

TABLE VII.- WING SECTION DATA - Concluded

α, deg	y/(b/2) = 0.60						y/(b/2) = 0.80						y/(b/2) = 0.95					
	Δα, deg		c_n		c_m		Δα, deg		c_n		c_m		Δα, deg		c_n		c_m	
	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm	0.5 atm	1.0 atm
M = 0.800																		
-4	0.15	0.31	-0.5389	-0.5353	0.0204	0.0192	0.24	0.51	-0.4765	-0.5071	0.0634	0.0743	0.27	0.57	-0.1680	-0.1696	-0.0056	-0.0072
-2	.13	.25	-.5403	-.5164	-.0120	-.0179	.24	.44	-.5133	-.4981	.0864	.0778	.27	.52	-.1595	-.1670	-.0096	-.0069
0	.04	.09	-.0853	-.1068	-.0297	-.0303	.06	.10	-.2065	-.2292	-.0295	-.0176	.07	-.02	-.2430	-.2009	.0162	-.0620
2	-.04	-.08	.0633	.0782	-.0350	-.0356	-.08	-.19	.0150	.0300	-.0324	-.0387	-.14	-.31	.0116	.0084	-.0448	-.0470
4	-.11	-.21	.2422	.2414	-.0404	-.0407	-.20	-.39	.2234	.2155	-.0497	-.0484	-.27	-.54	.1791	.1751	-.0479	-.0466
8	-.22	-.46	.6025	.5758	-.0476	-.0504	-.38	-.79	.5792	.5875	-.0959	-.0896	-.48	-1.00	.3528	.4001	-.0475	-.0516
12	-.28	-.56	.7852	.8282	-.1375	-.1415	-.47	-.91	.5482	.5390	-.0906	-.0877	-.57	-1.12	.3631	.3593	-.0569	-.0569
M = 0.900																		
-4	0.17	0.38	-0.5464	-0.5865	0.0130	0.0215	0.27	0.63	-0.4758	-0.5350	0.0625	0.0183	0.31	0.71	-0.1946	-0.1861	-0.0045	-0.0073
-2	.16	.31	-.5616	-.5378	-.0112	-.0135	.29	.57	-.5410	-.5325	.0982	.0926	.34	.66	-.1680	-.1755	-.0113	-.0085
0	.06	.09	-.0951	-.1035	-.0311	-.0319	.07	.09	-.2261	-.2503	-.0259	-.0159	.09	-.06	-.2478	-.1843	.0187	-.0743
2	-.06	-.12	.0822	.0913	-.0388	-.0395	-.12	-.26	.0392	.0496	-.0418	-.0461	-.20	-.42	.0270	.0217	-.0510	-.0539
4	-.14	-.25	.2746	.2704	-.0434	-.0448	-.26	-.46	.2637	.2468	-.0557	-.0545	-.36	-.64	.2164	.2018	-.0489	-.0500
8	-.32	-.64	.6574	.6865	-.0432	-.0412	-.50	-1.01	.7573	.7705	-.0536	-.0468	-.64	-1.28	.5216	.5655	-.0813	-.0804
12	-.35	-.70	.8269	.8599	-.1378	-.1379	-.59	-1.17	.6089	.6080	-.1058	-.1091	-.73	-1.46	.4137	.4074	-.0675	-.0672
M = 0.940																		
-4	0.22	0.48	-0.6059	-0.6341	0.0073	0.0081	0.36	0.77	-0.5204	-0.5588	0.0705	0.0854	0.40	0.86	-0.2238	-0.2187	-0.0075	-0.0091
-2	.20	.40	-.3685	-.3516	.0066	.0010	.37	.77	-.5620	-.5889	.1031	.1125	.47	.97	-.2697	-.2652	.0227	.0217
0	.06	.09	-.1032	-.1062	-.0328	-.0341	.09	.09	-.2446	-.2355	-.0214	-.0120	.12	-.09	-.2598	-.1773	.0272	-.0870
2	-.06	-.14	.0813	.1060	-.0386	-.0409	-.12	-.30	.0338	.0599	-.0371	-.0498	-.20	-.48	.0239	.0363	-.0500	-.0557
4	-.18	-.34	.5137	.5115	-.0556	-.0558	-.31	-.60	.3092	.2919	-.0571	-.0554	-.41	-.80	.2407	.2293	-.0521	-.0507
8	-.40	-.80	.7498	.7232	-.0882	-.0904	-.65	-1.34	.8712	.8112	-.1112	-.0840	-.82	-1.69	.4877	.6837	-.0720	-.0865
12	-.40	-.81	.8765	.8977	-.1492	-.1551	-.67	-1.37	.6771	.6852	-.1222	-.1252	-.84	-1.71	.4472	.4572	-.0722	-.0739
M = 0.980																		
-4	0.29	0.58	-0.6349	-0.6303	0.0826	0.0800	0.48	0.97	-0.6172	-0.6190	0.093	0.0960	0.56	1.12	-0.3004	-0.2942	0.0074	0.0061
-2	.24	.46	-.3687	-.3555	.0215	.0191	.43	.84	-.6333	-.6234	.114	.1019	.53	1.02	-.2626	-.2791	.0142	.0155
0	.05	.12	-.1105	-.1181	-.0343	-.0337	.04	.12	-.2406	-.2470	-.056	-.0370	.04	0	-.2293	-.2612	.0212	-.0450
2	-.10	-.18	.1133	.1018	-.0684	-.0637	-.24	-.42	.0777	.0548	-.086	-.0807	-.35	-.62	.0501	.0221	-.0477	-.0460
4	-.25	-.43	.3290	.3143	-.0962	-.0909	-.51	-.80	.3612	.3037	-.123	-.0950	-.73	-1.03	.3559	.2271	-.1123	-.0441
8	-.49	-.94	.7318	.7087	-.1251	-.1239	-.93	-1.77	.8673	.8020	-.170	-.1582	-1.26	-2.43	.8345	.8135	-.1585	-.1692
12	-.67	-1.28	1.1514	1.1175	-.1983	-.1818	-1.21	-2.30	1.1449	1.1365	-.213	-.2151	-1.61	-3.00	1.0529	.9462	-.1907	-.1357
M = 1.030																		
-4	0.39	0.70	-0.5774	-0.5866	0.0781	0.0798	0.62	1.23	-0.7288	-0.7401	0.117	0.1229	0.75	1.50	-0.4285	-0.4020	0.0351	0.0319
-2	.24	.49	-.3574	-.3296	.0210	.0158	.43	.91	-.6058	-.5755	.085	.0763	.51	1.18	-.3318	-.4639	.0093	.0514
0	.08	.11	-.1082	-.1146	-.0349	-.0343	.11	.05	-.2723	-.2595	-.044	-.0522	.09	-.26	-.3849	-.2546	-.0115	-.1123
2	-.10	-.20	.1090	.1112	-.0714	-.0706	-.26	-.15	.0405	.0512	-.098	-.0962	-.47	-.95	.0152	-.0086	-.1241	-.1368
4	-.24	-.46	.3117	.3040	-.1001	-.0986	-.49	-.95	.2995	.2809	-.117	-.1181	-.73	-1.43	.2804	.2520	-.1276	-.1256
8	-.49	-.93	.7084	.6852	-.1360	-.1324	-.92	-1.73	.8016	.7380	-.160	-.1467	-1.25	-2.36	.7757	.7269	-.1605	-.1543
12	-.72	-1.30	1.1246	1.0611	-.2156	-.1803	-1.35	-2.41	1.1464	1.0244	-.239	-.2162	-1.81	-3.28	1.0606	1.0087	-.2121	-.2043
M = 1.125																		
-4	0.37	0.69	-0.5114	-0.4862	0.0700	0.0639	0.68	1.25	-0.7003	-0.6699	0.111	0.0990	0.87	1.59	-0.5580	-0.5149	0.0671	0.0593
-2	.26	.45	-.2979	-.2572	.0141	.0056	.49	.85	-.5314	-.4275	.061	.0294	.62	1.12	-.5726	-.6459	.0425	.0566
0	.07	.13	-.0984	-.0964	-.0350	-.0345	.09	.12	-.2663	-.2379	-.023	-.0562	.01	-.09	-.3021	-.3547	-.0715	-.0718
2	-.08	-.21	.0880	.1214	-.0654	-.0684	-.21	-.51	.0008	.0424	-.088	-.0863	-.41	-.96	-.0692	-.0182	-.1102	-.1334
4	-.23	-.48	.2767	.2983	-.0656	-.0982	-.49	-.98	.2544	.2635	-.110	-.1140	-.75	-1.49	.2247	.2329	-.1363	-.1323
8	-.50	-.94	.6486	.6397	-.1396	-.1316	-.94	-1.77	.7431	.7023	-.168	-.1582	-1.28	-2.41	.6763	.6338	-.1490	-.1410
12	-.71	-1.37	1.0129	.9925	-.2100	-.1913	-1.33	-2.57	1.0489	1.0327	-.235	-.2359	-1.79	-3.45	.9415	.9050	-.1932	-.1849
M = 1.200																		
-4	0.31	0.73	-0.4012	-0.4261	0.0400	0.0465	0.55	1.34	-0.5793	-0.6650	0.052	0.0676	0.68	1.81	-0.5926	-0.7350	0.0430	0.1050
-2	.25	.48	-.2791	-.2693	.0077	.0024	.46	.86	-.4705	-.4845	.032	.0078	.63	1.16	-.6343	-.6411	.0738	.0763
0	.08	.15	-.0916	-.0863	-.0376	-.0395	.09	.19	-.2475	-.2531	-.037	-.0394	.04	.06	-.3350	-.3546	-.0398	-.0461
2	-.06	-.13	.0847	.0935	-.0673	-.0674	-.17	-.34	-.0378	-.0592	-.070	-.0679	-.34	-.69	-.1031	-.0950	-.0978	-.1041
4	-.21	-.41	.2509	.2564	-.0926	-.0938	-.44	-.85	.1877	.1844	-.105	-.0981	-.70	-1.34	.1809	.1668	-.1400	-.1290
8	-.46	-.89	.5990	.5913	-.1373	-.1348	-.89	-1.70	.6374	.6066	-.165	-.1566	-1.22	-2.33	.5809	.5411	-.1388	-.1340
12	-.69	-1.37	.9487	.9582	-.2108	-.2068	-1.28	-2.55	.9558	.9467	-.217	-.2209	-1.72	-3.43	.8668	.8483	-.1803	-.1775

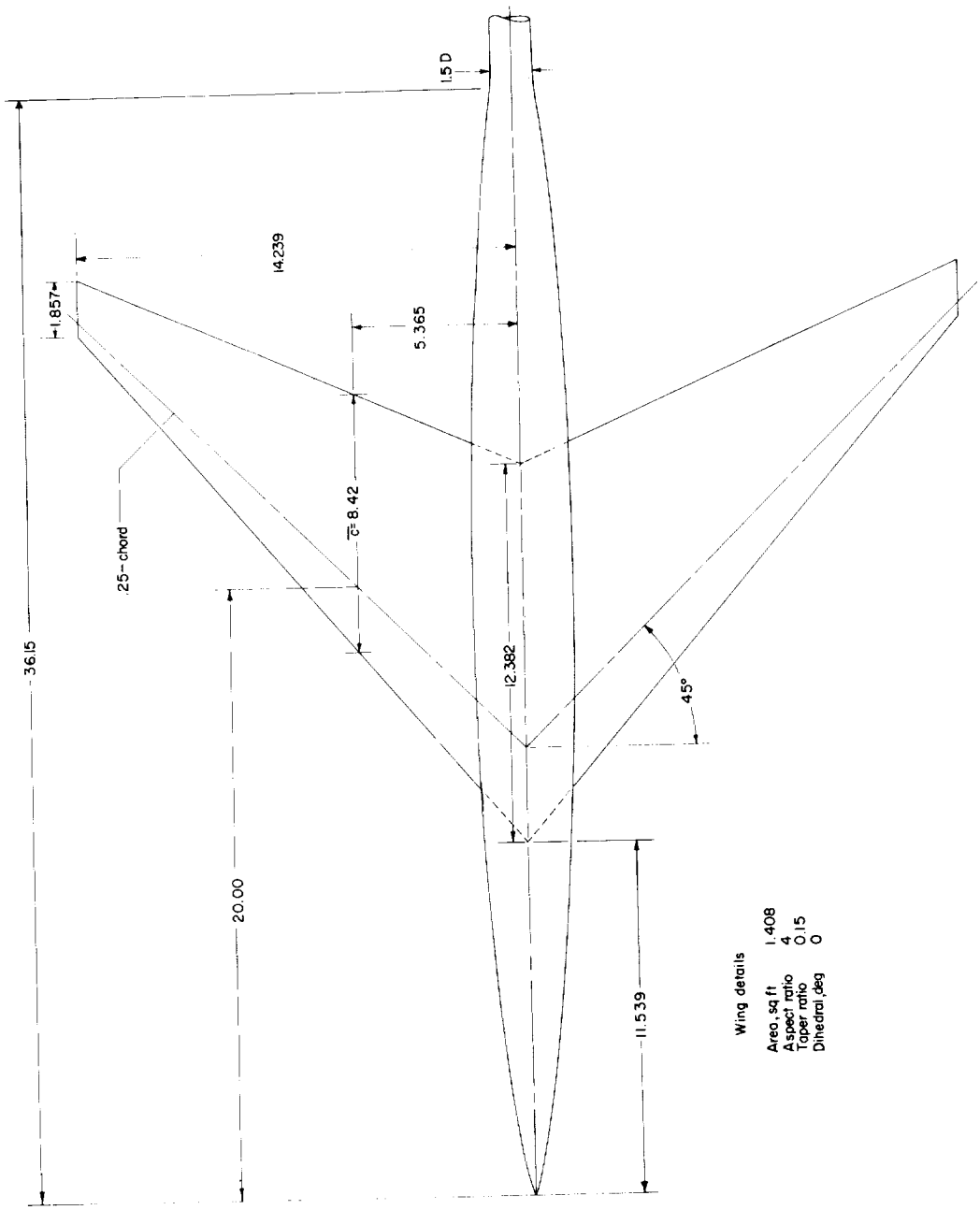


Figure 1.- Details of wing-body combination. All dimensions are in inches unless otherwise noted.

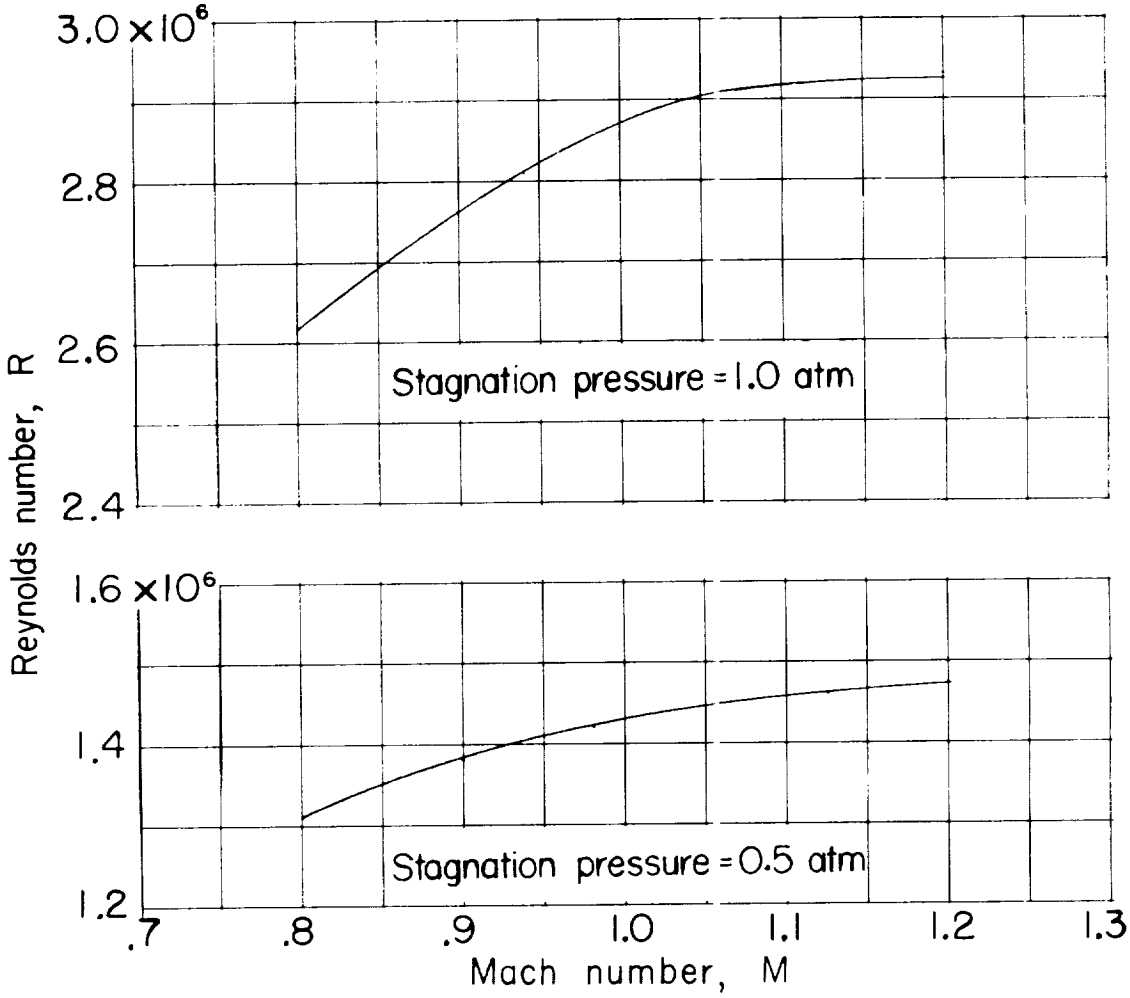


Figure 2.- Variation with Mach number of average Reynolds number based on wing mean aerodynamic chord.

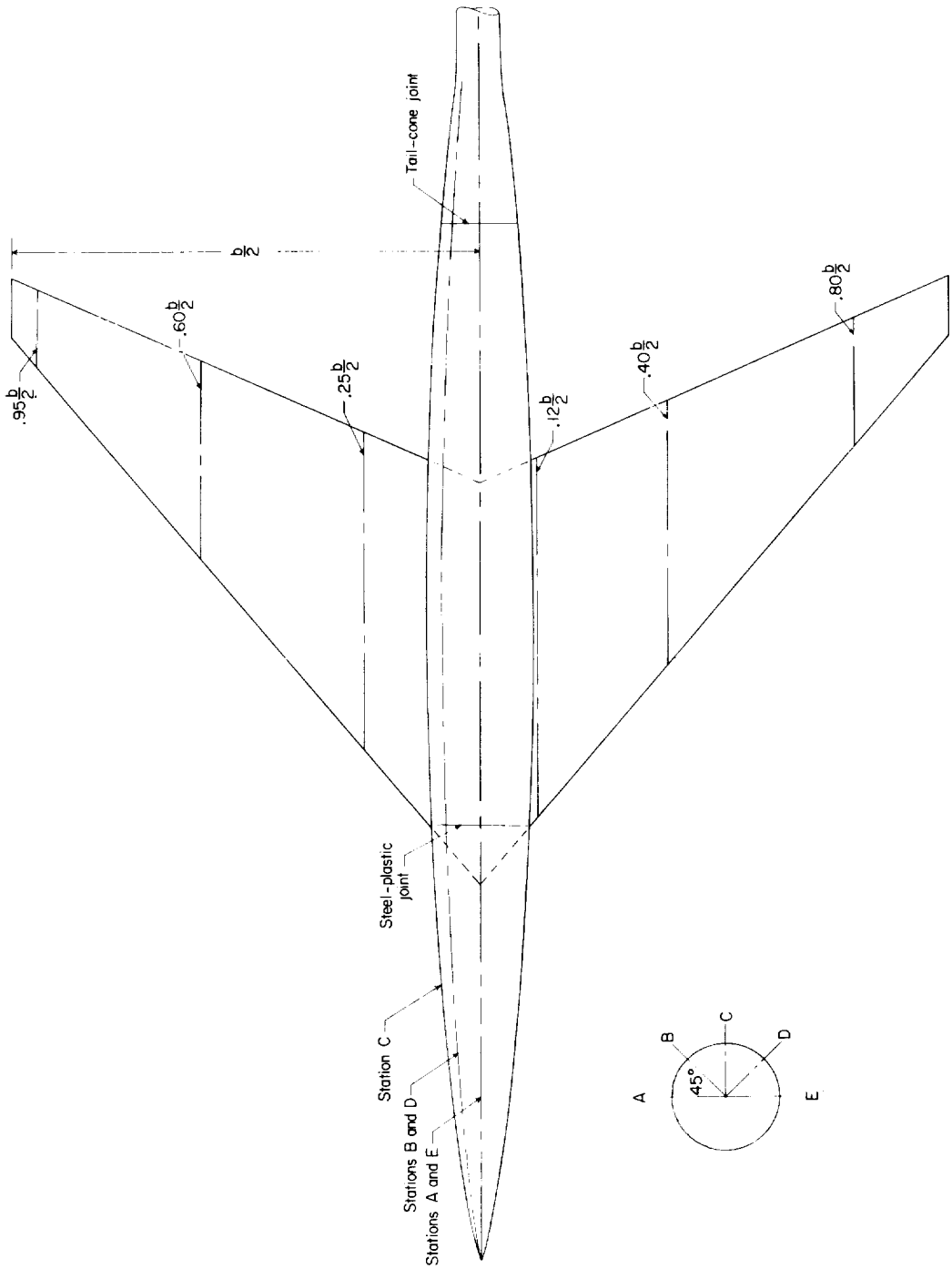
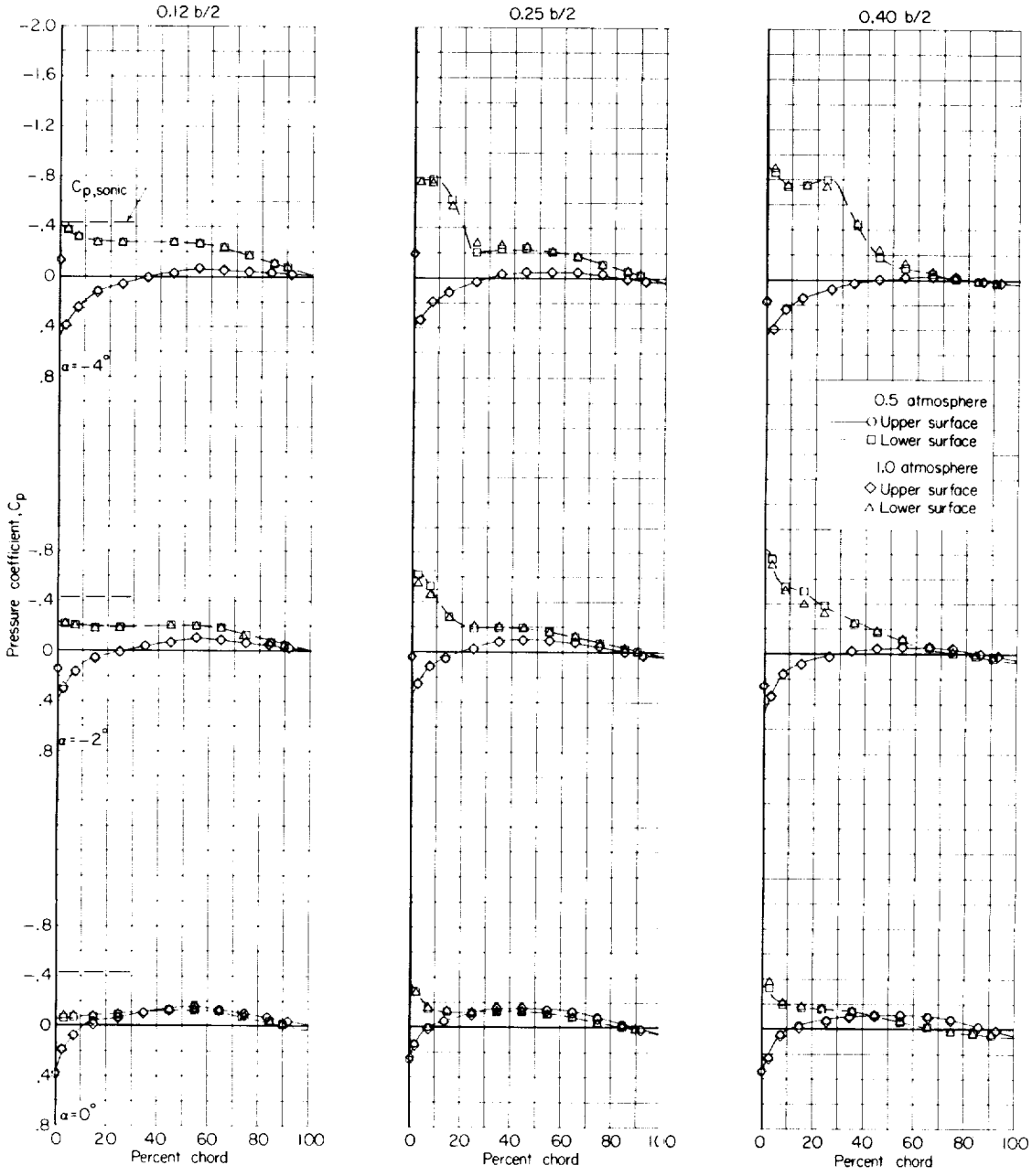
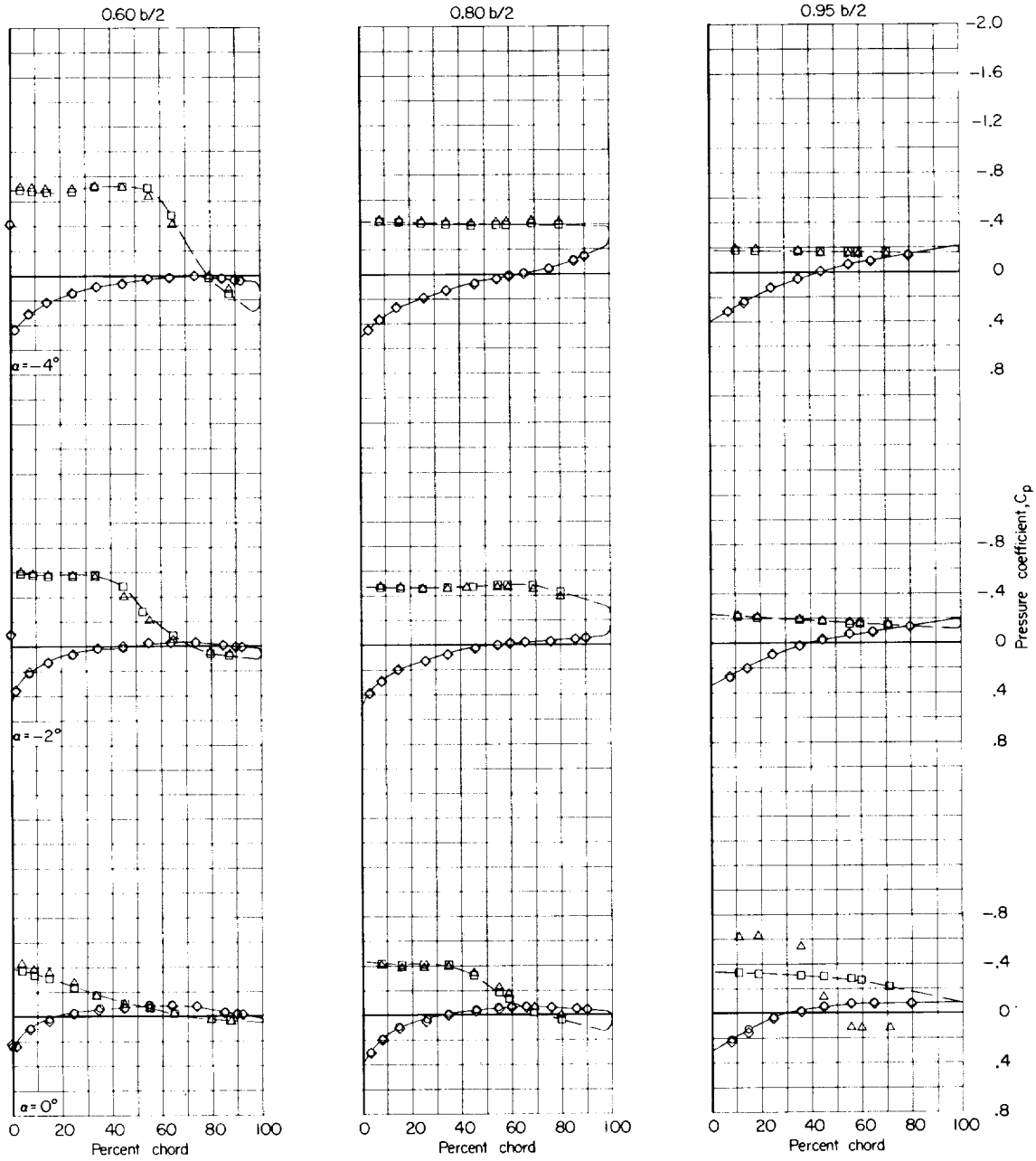


Figure 3.- A sketch of the location of pressure orifices on the wing and body.



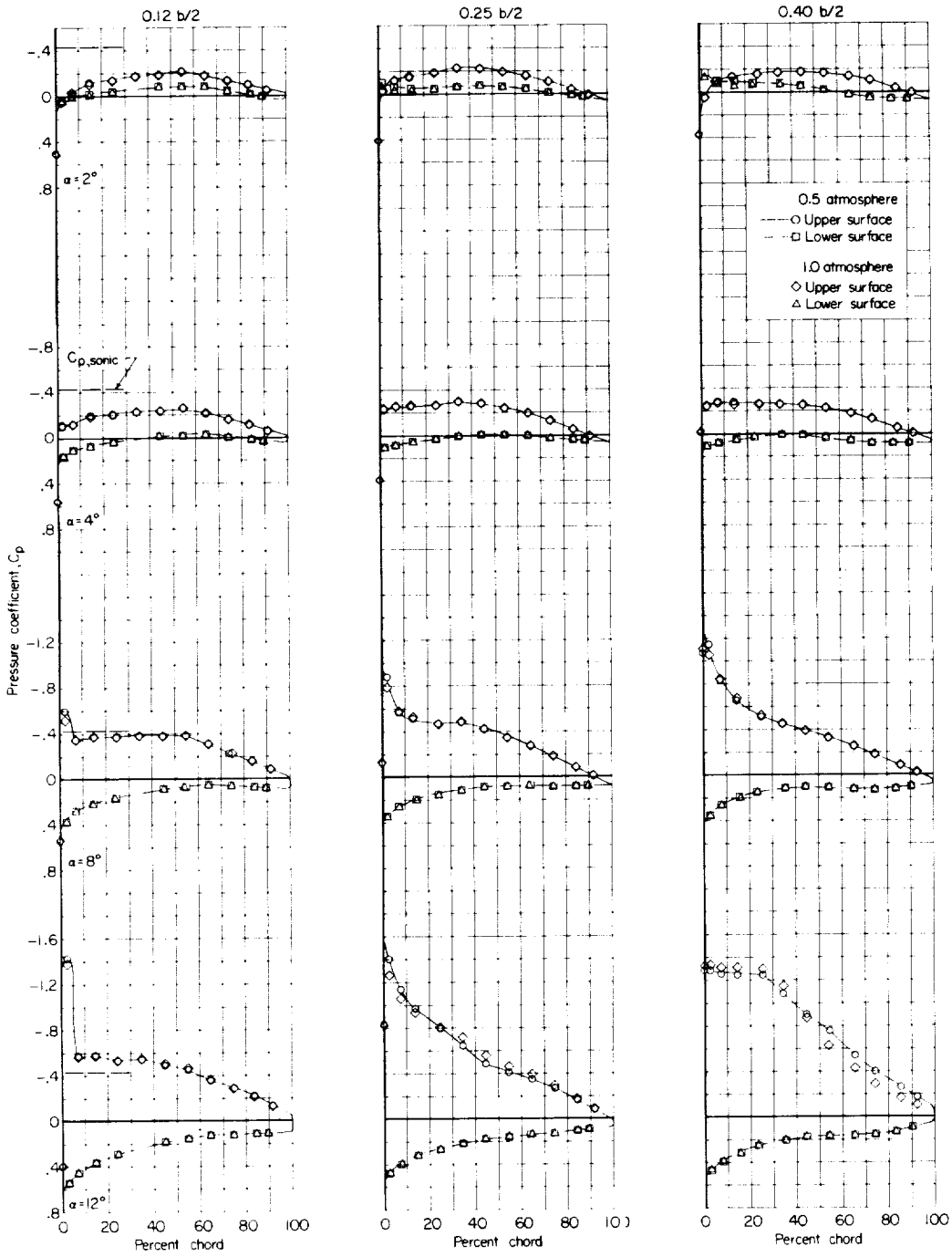
(a) M = 0.800; α = -4°, -2°, and 0°.

Figure 4.- Pressure measurements on the wing in the presence of the body.



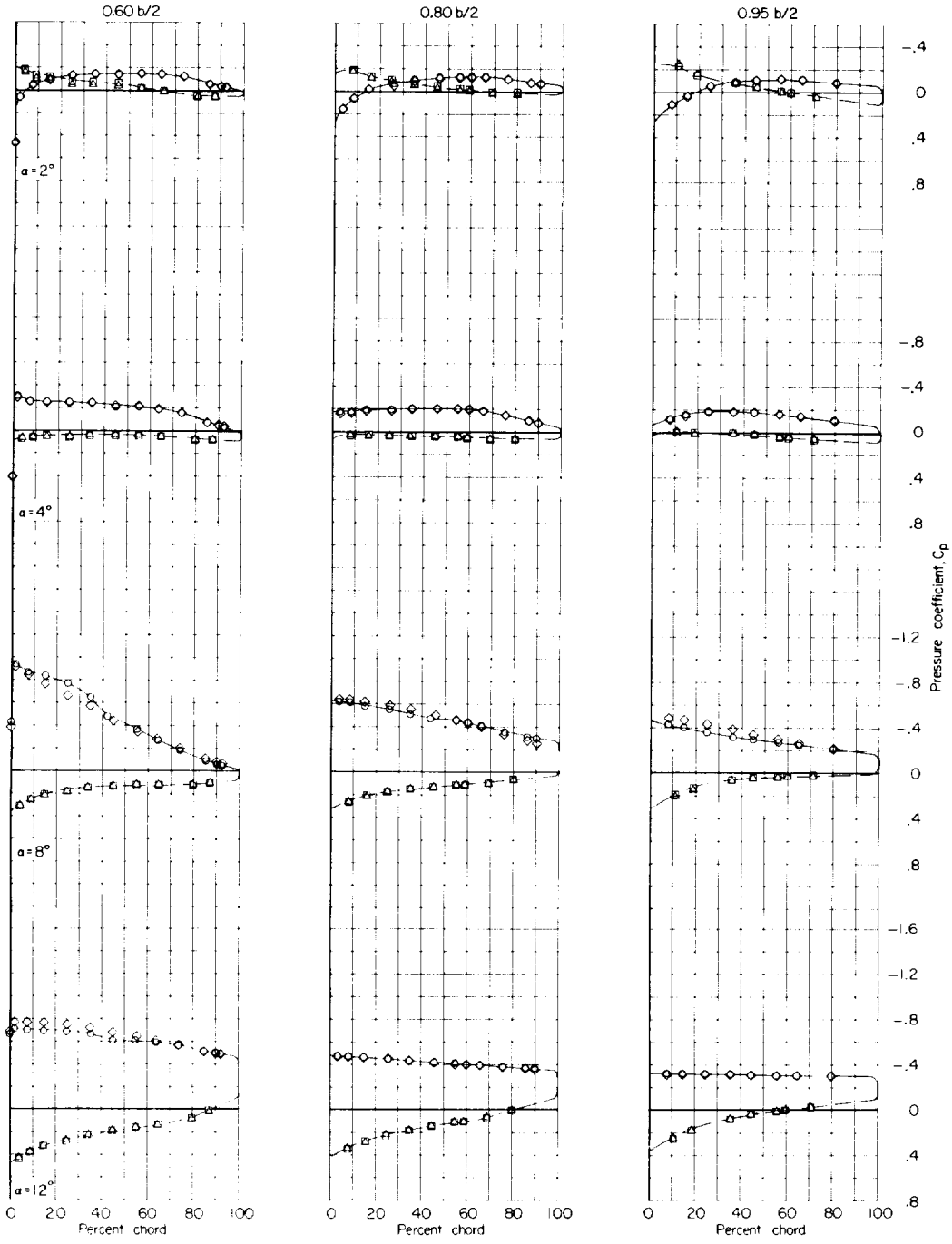
(a) Concluded.

Figure 4.- Continued.



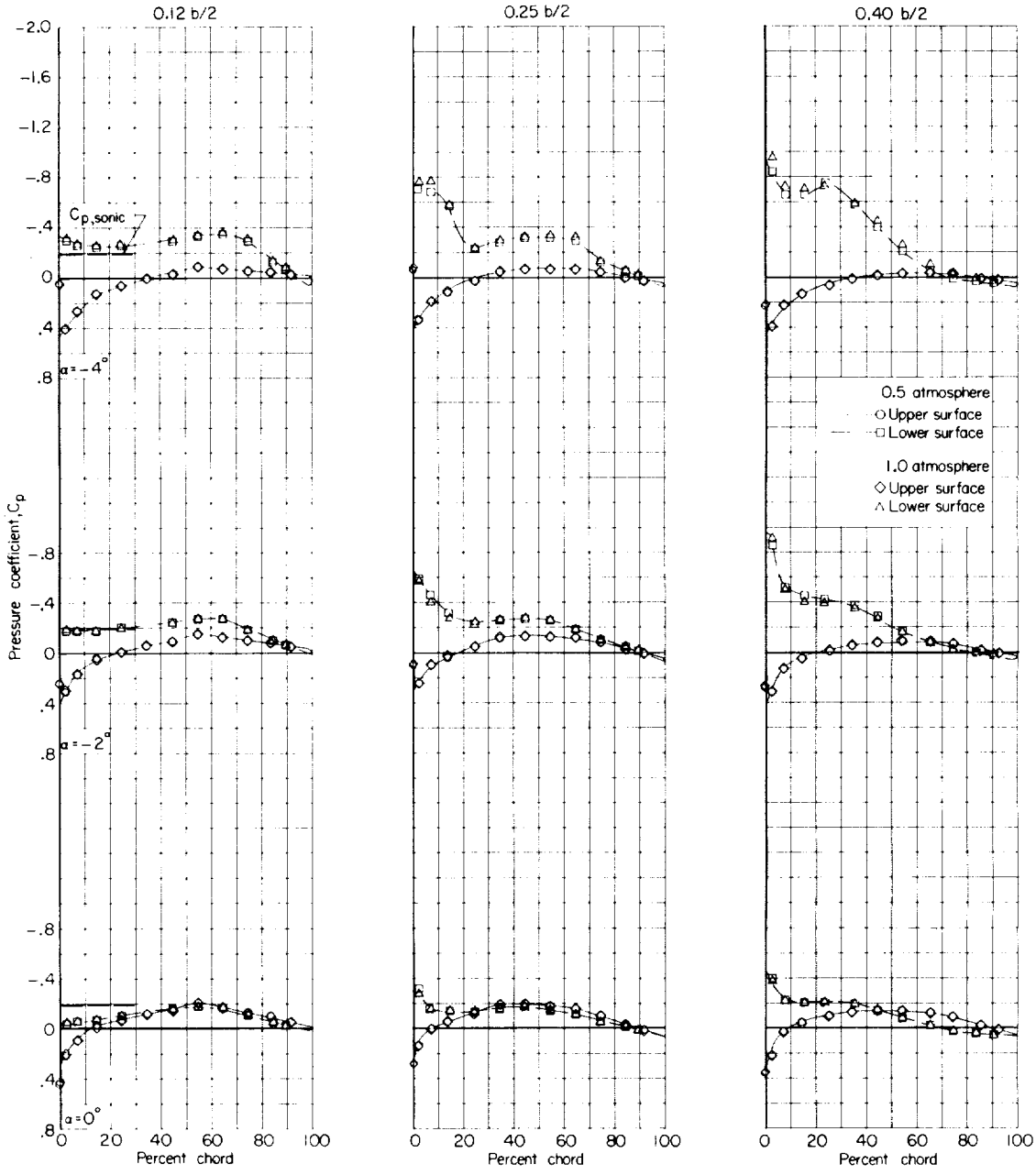
(b) M = 0.800; $\alpha = 2^\circ$, 4°, 8°, and 12°.

Figure 4.- Continued.



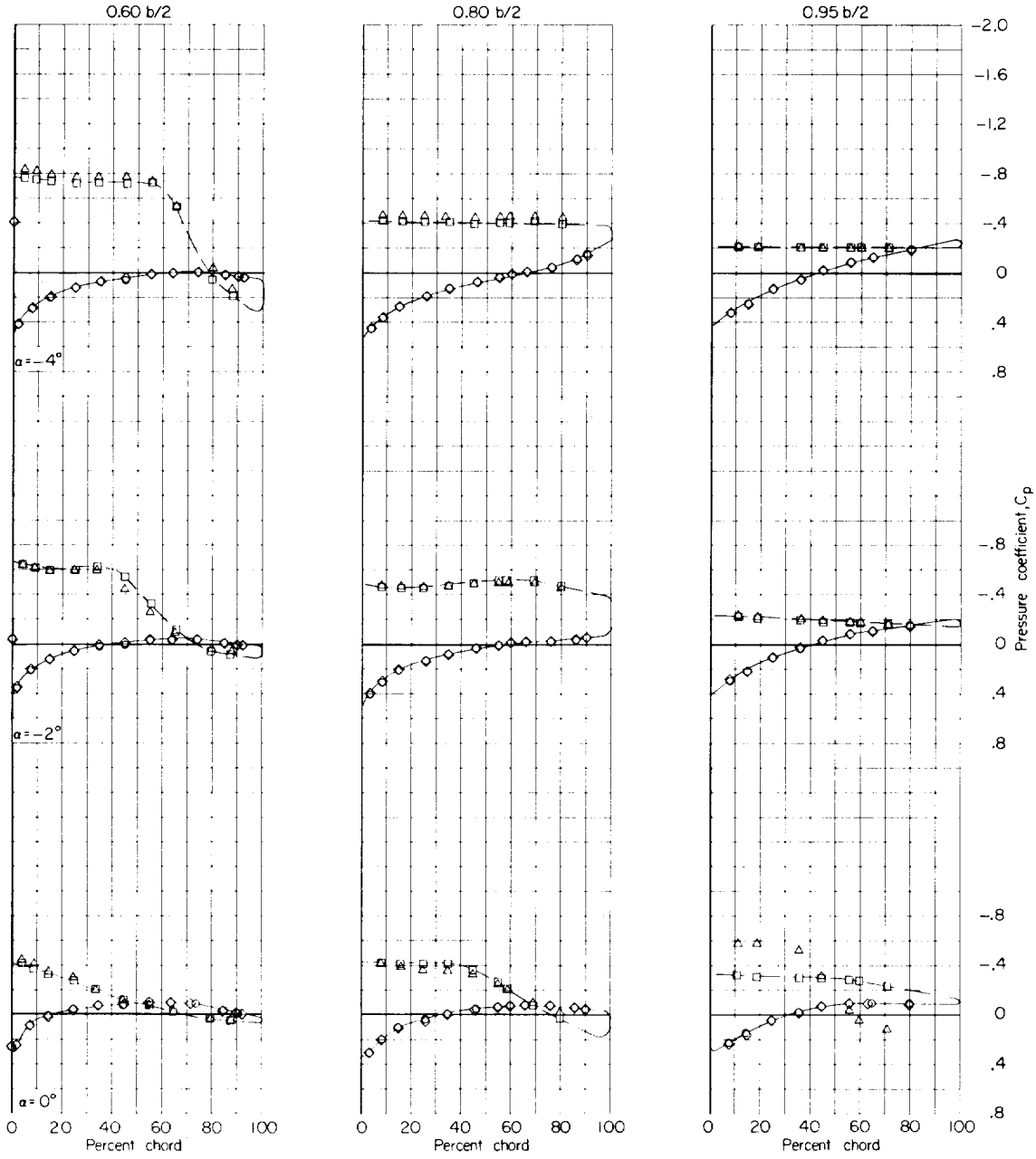
(b) Concluded.

Figure 4.- Continued.



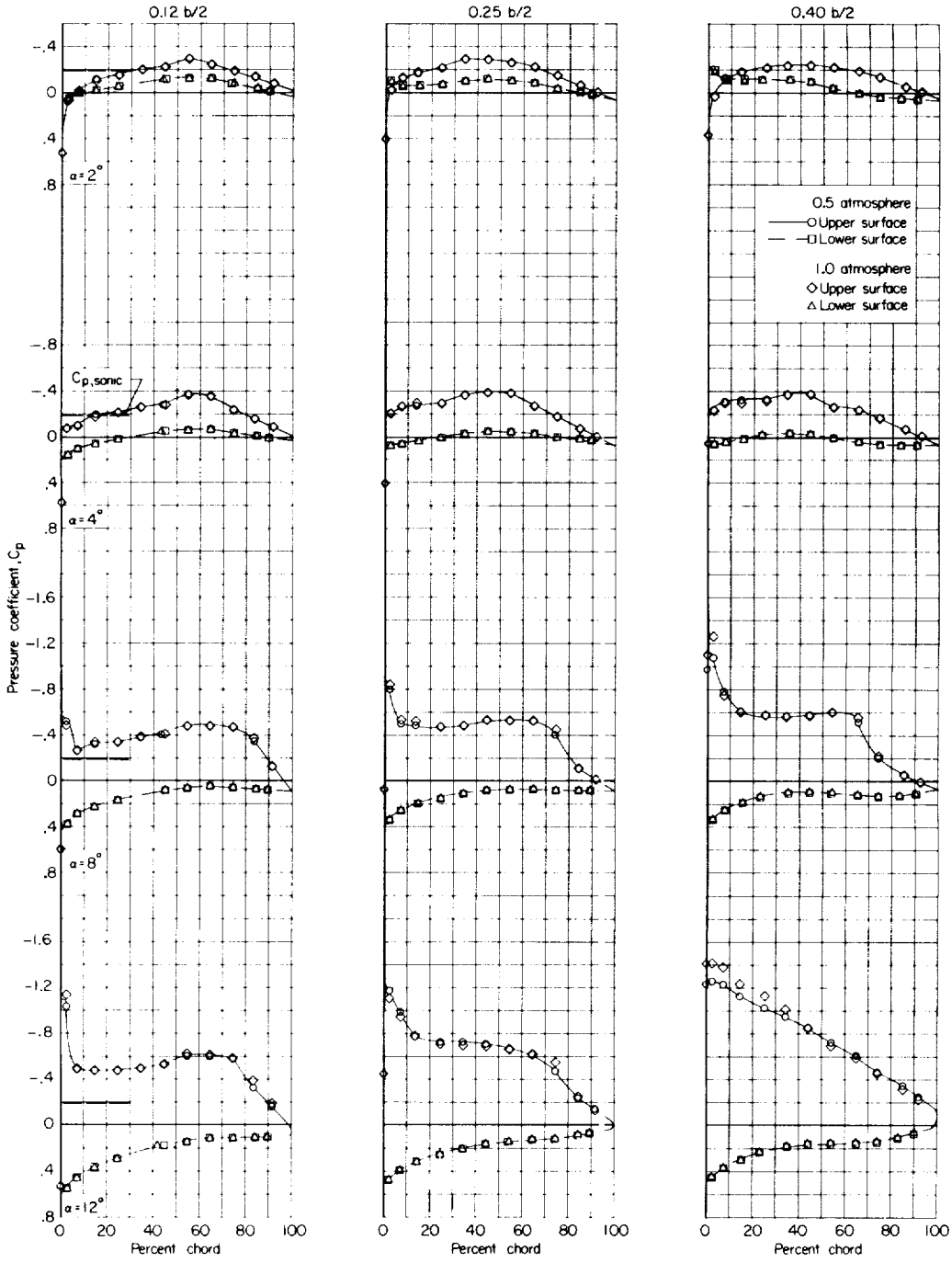
(c) M = 0.900; $\alpha = -4^{\circ}$, -2°, and 0°.

Figure 4.- Continued.



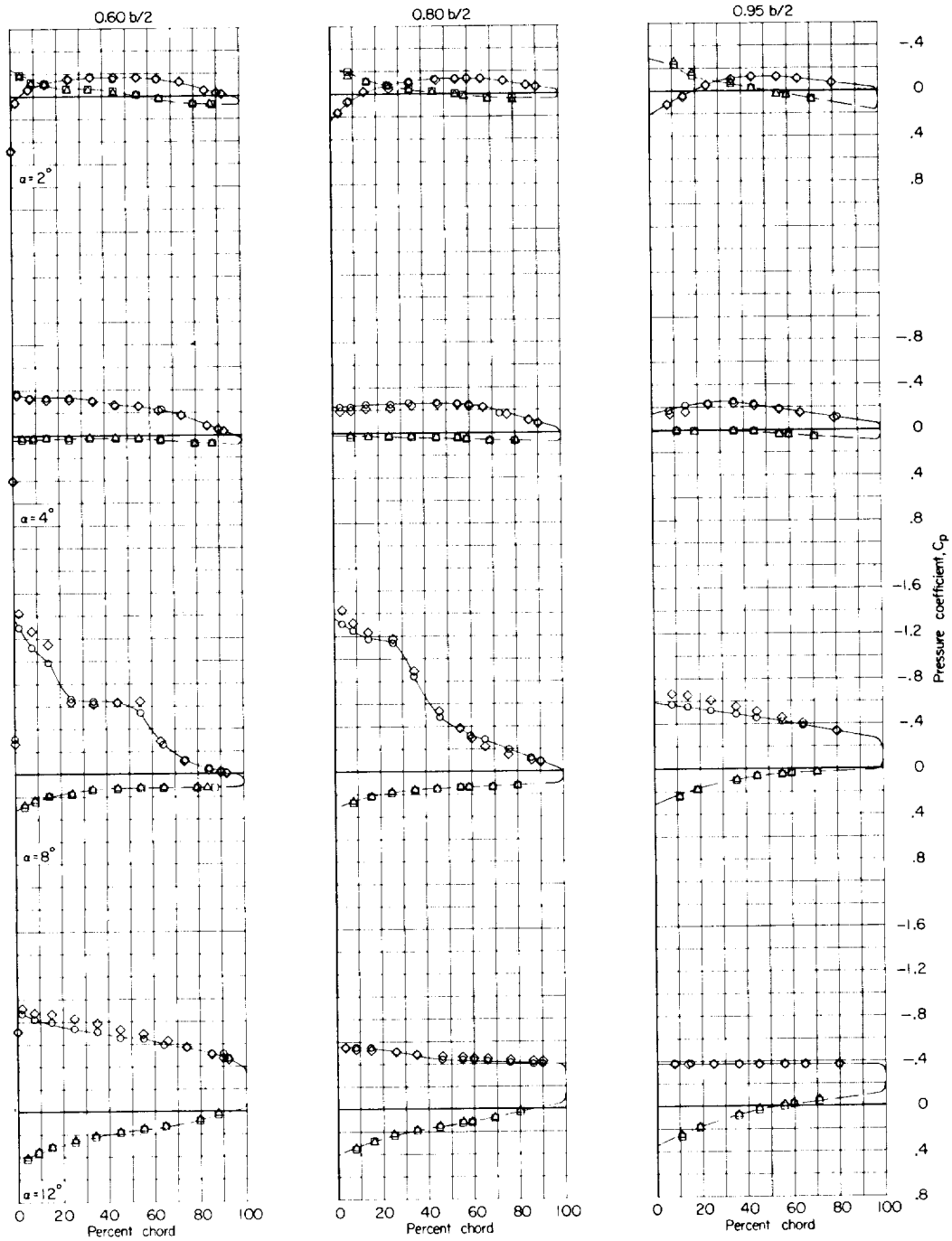
(c) Concluded.

Figure 4.- Continued.



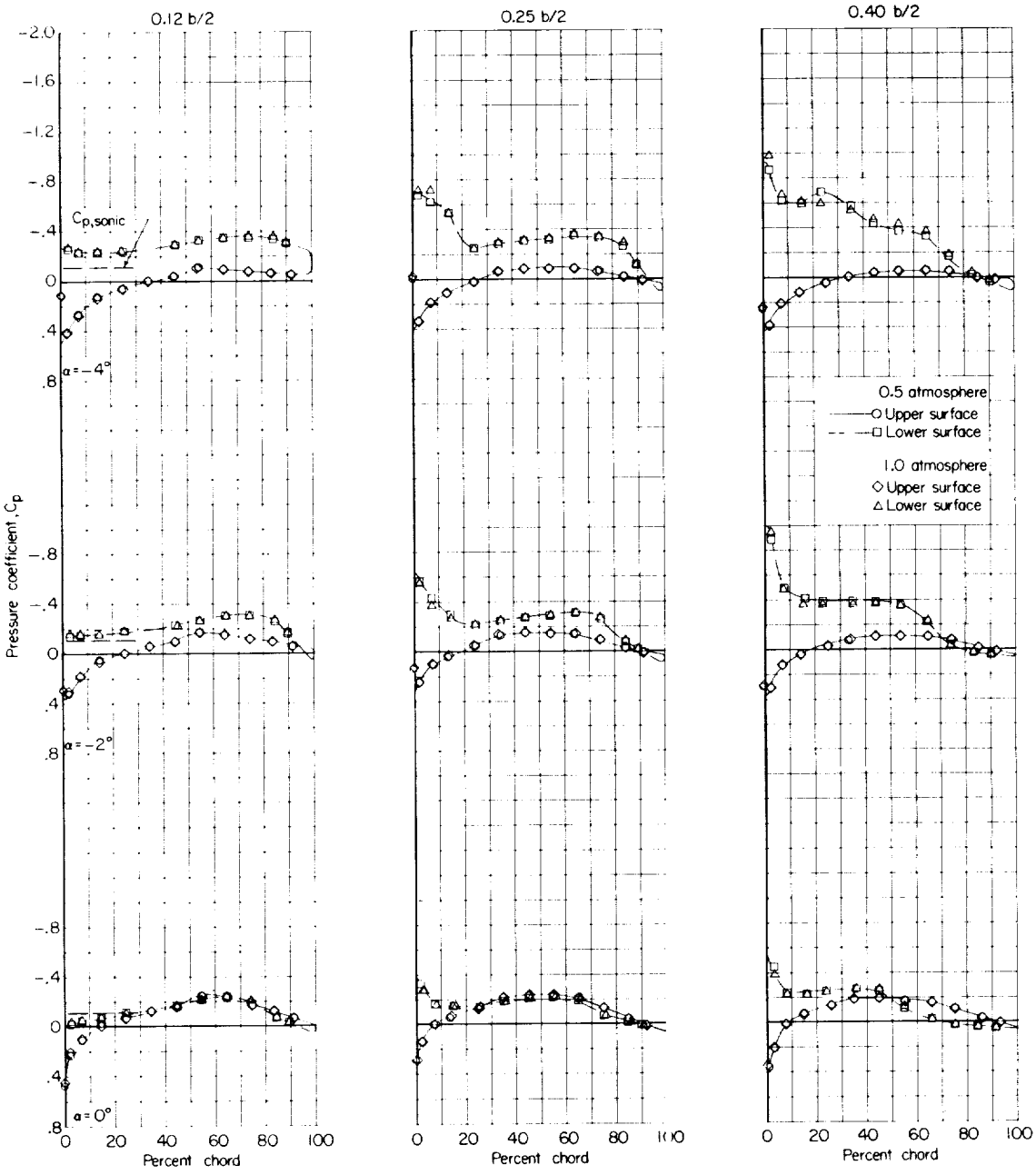
(d) M = 0.900; $\alpha = 2^{\circ}$, 4°, 8°, and 12°.

Figure 4.- Continued.



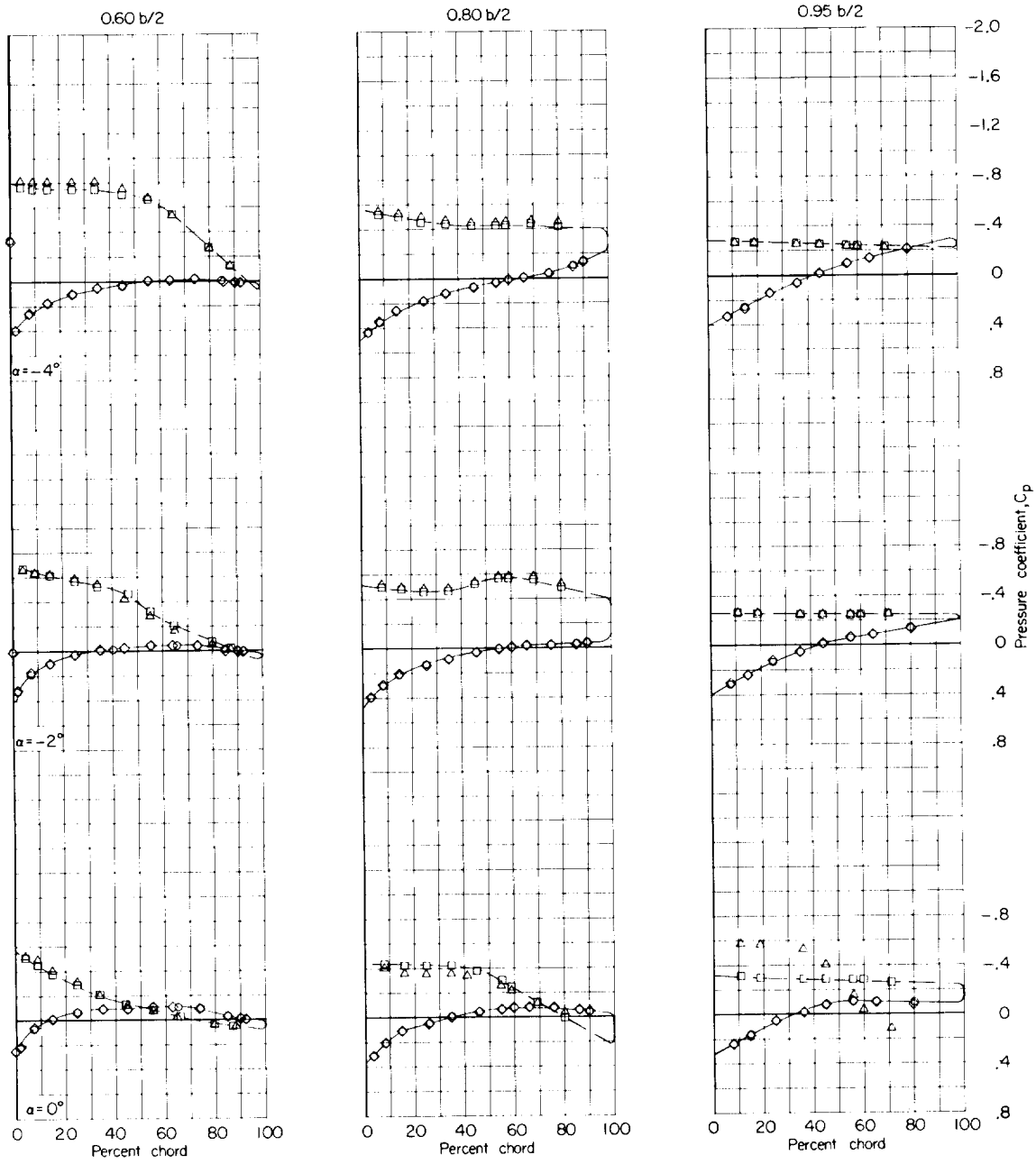
(d) Concluded.

Figure 4.- Continued.



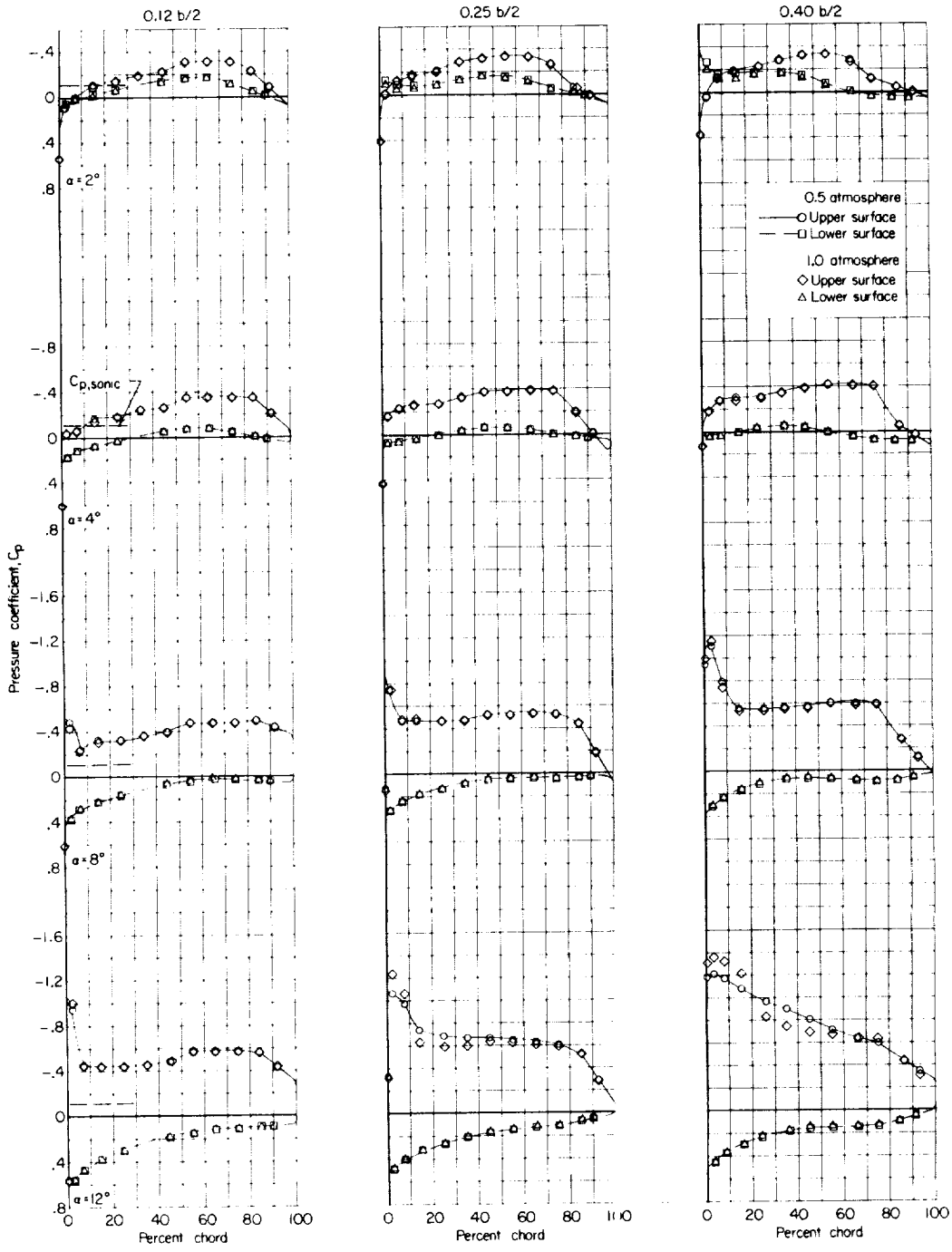
(e) M = 0.940; $\alpha = -4^{\circ}$, -2°, and 0°.

Figure 4.- Continued.



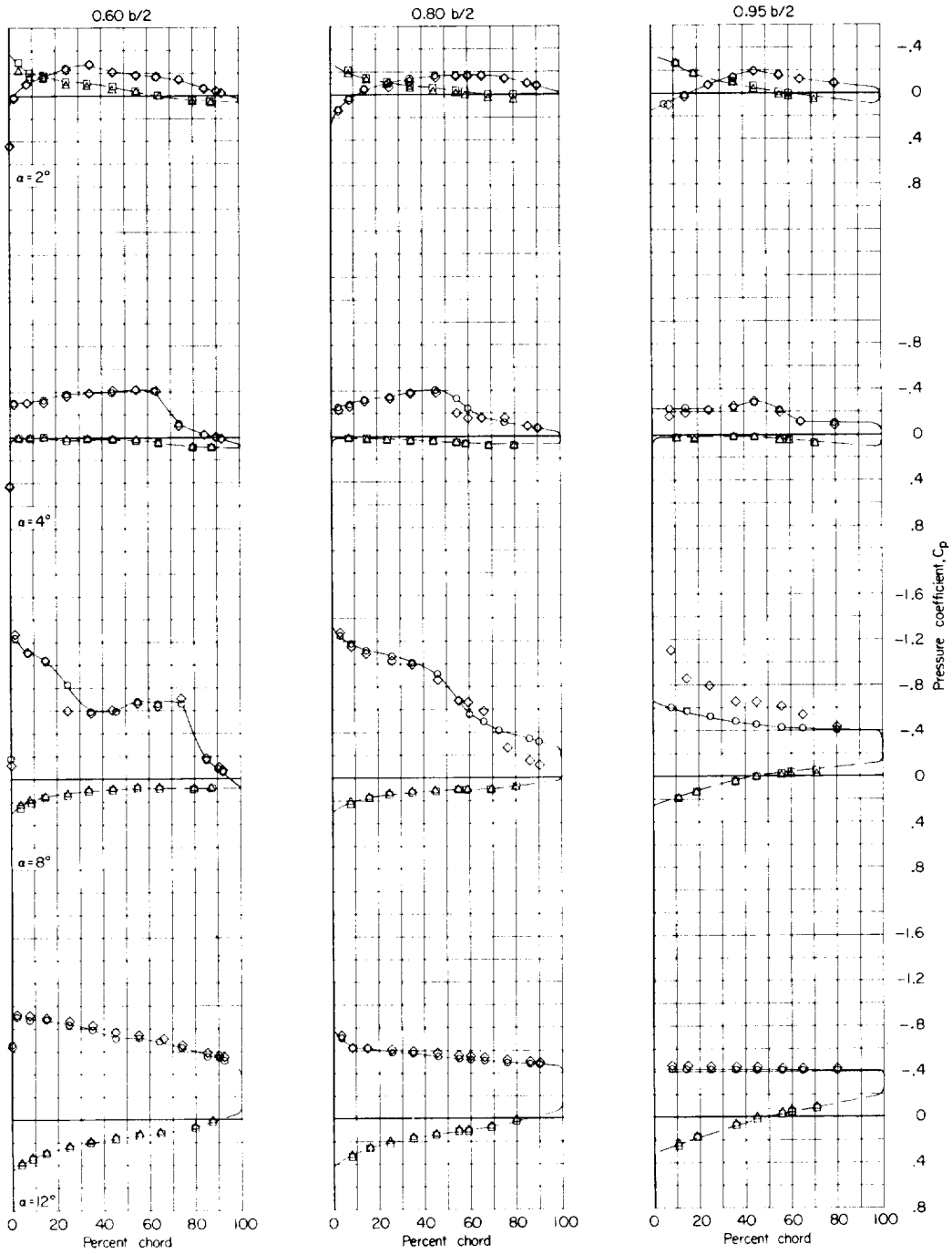
(e) Concluded.

Figure 4.- Continued.



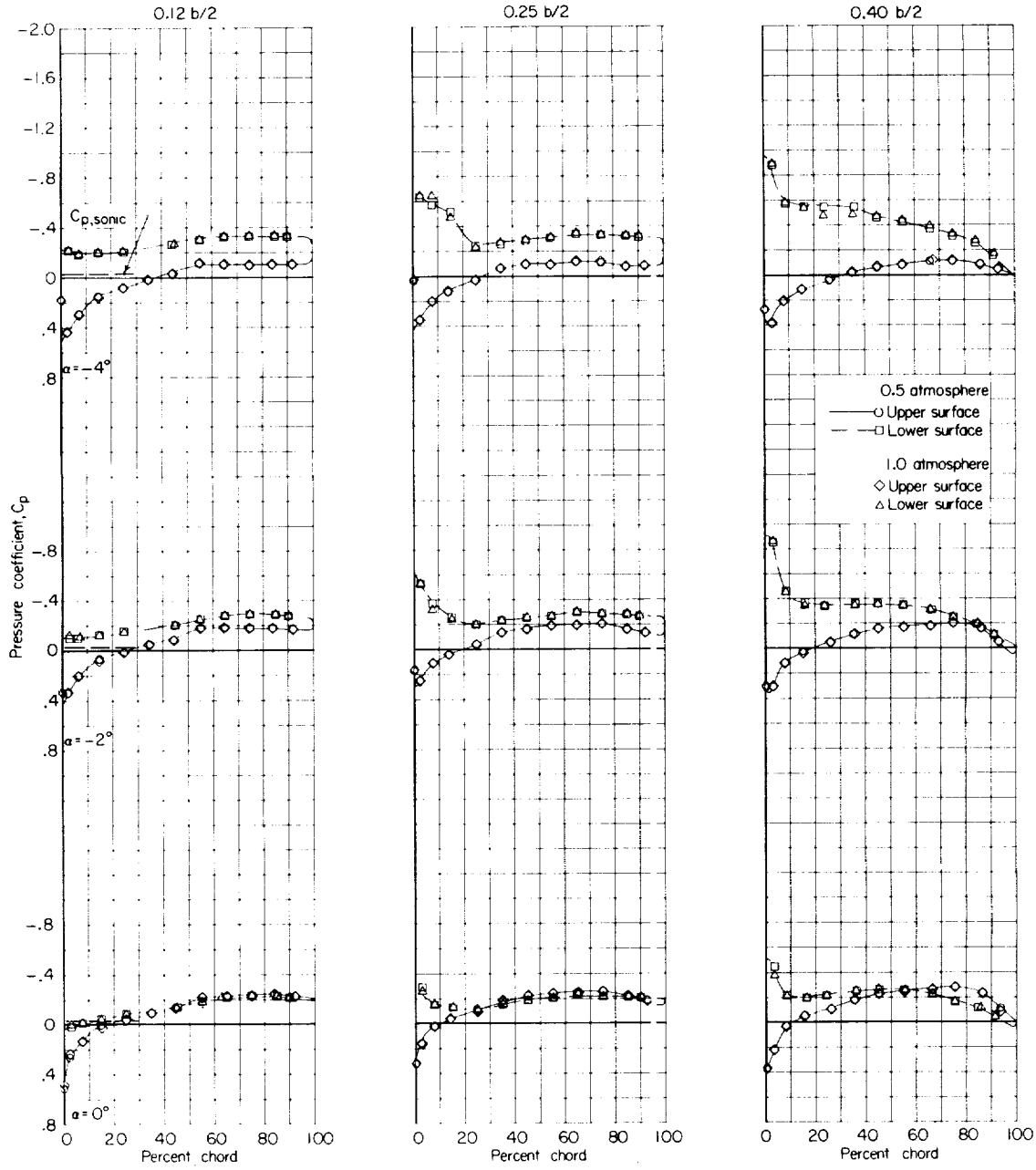
(f) M = 0.940; $\alpha = 2^{\circ}$, 4°, 8°, and 12°.

Figure 4.- Continued.



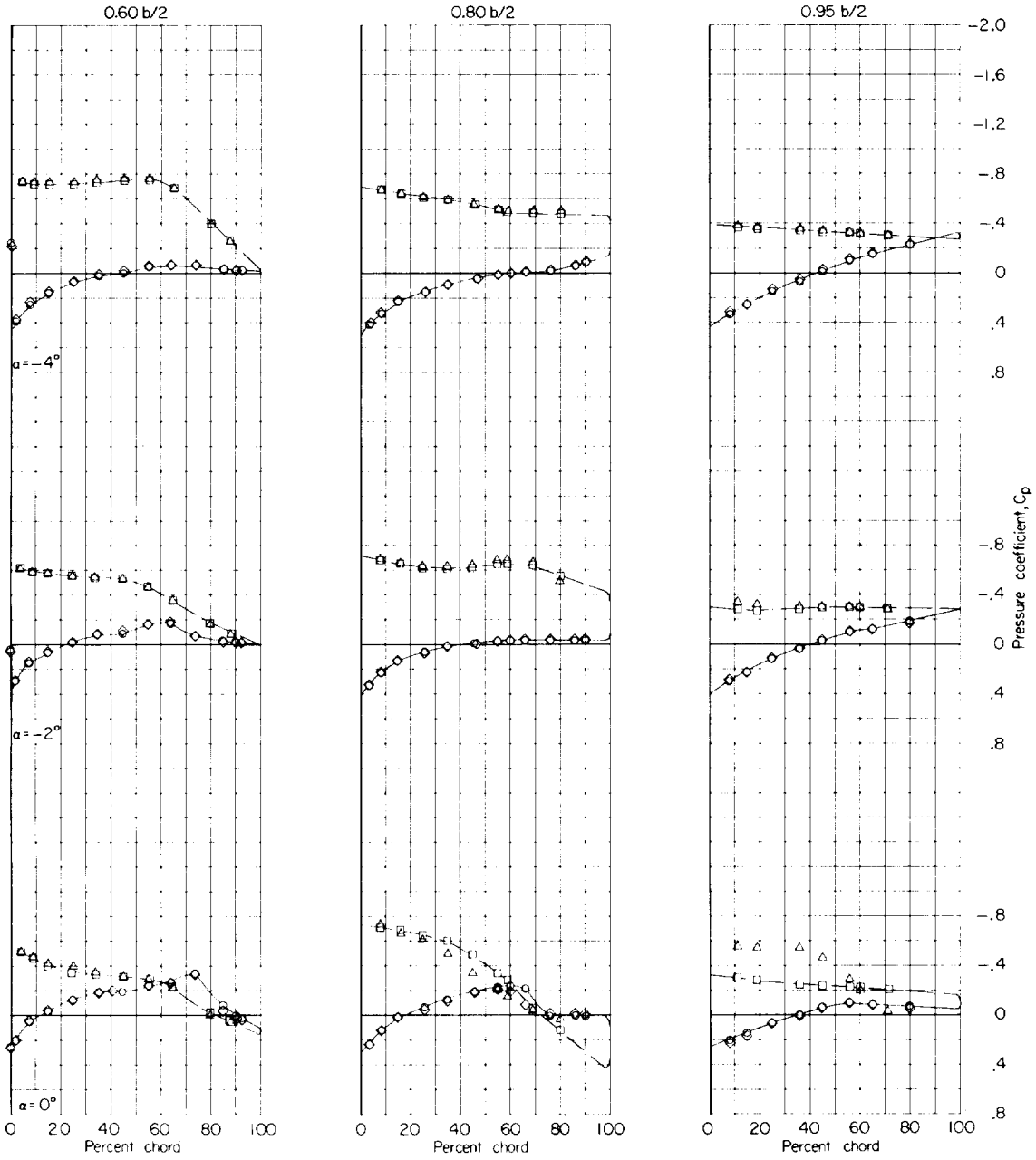
(f) Concluded.

Figure 4.- Continued.



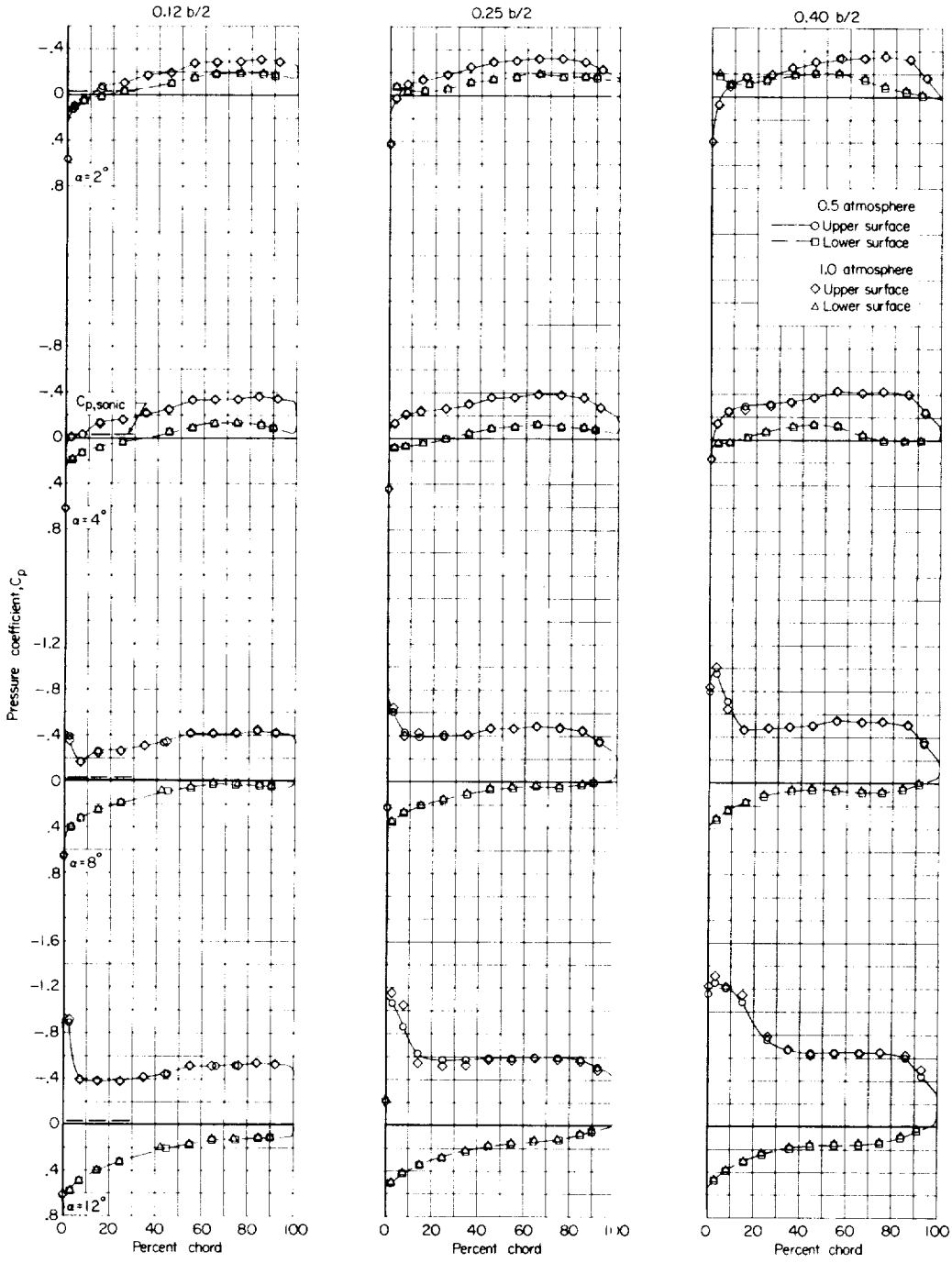
(g) M = 0.980; $\alpha = -4^{\circ}$, -2°, and 0°.

Figure 4.- Continued.



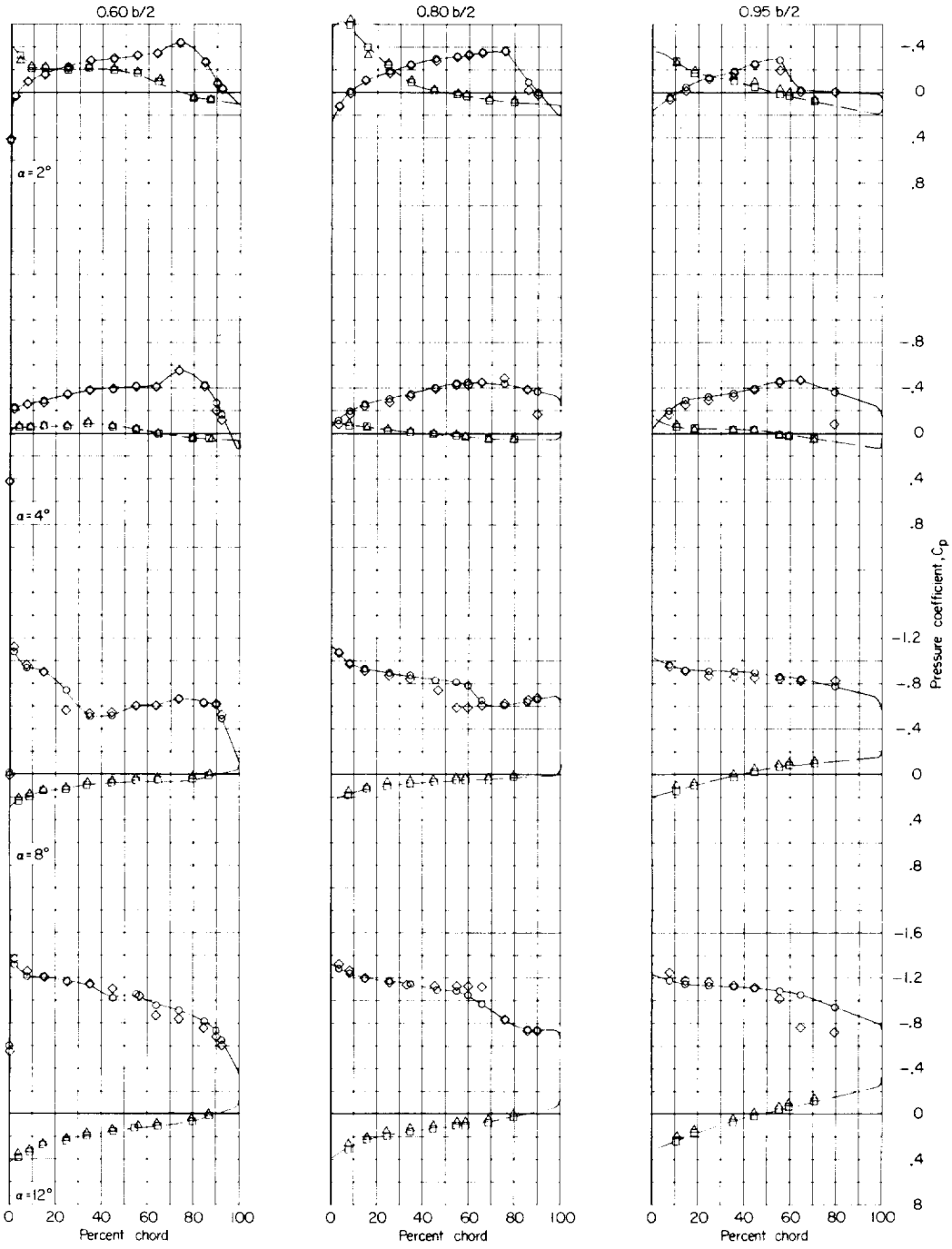
(g) Concluded.

Figure 4.- Continued.



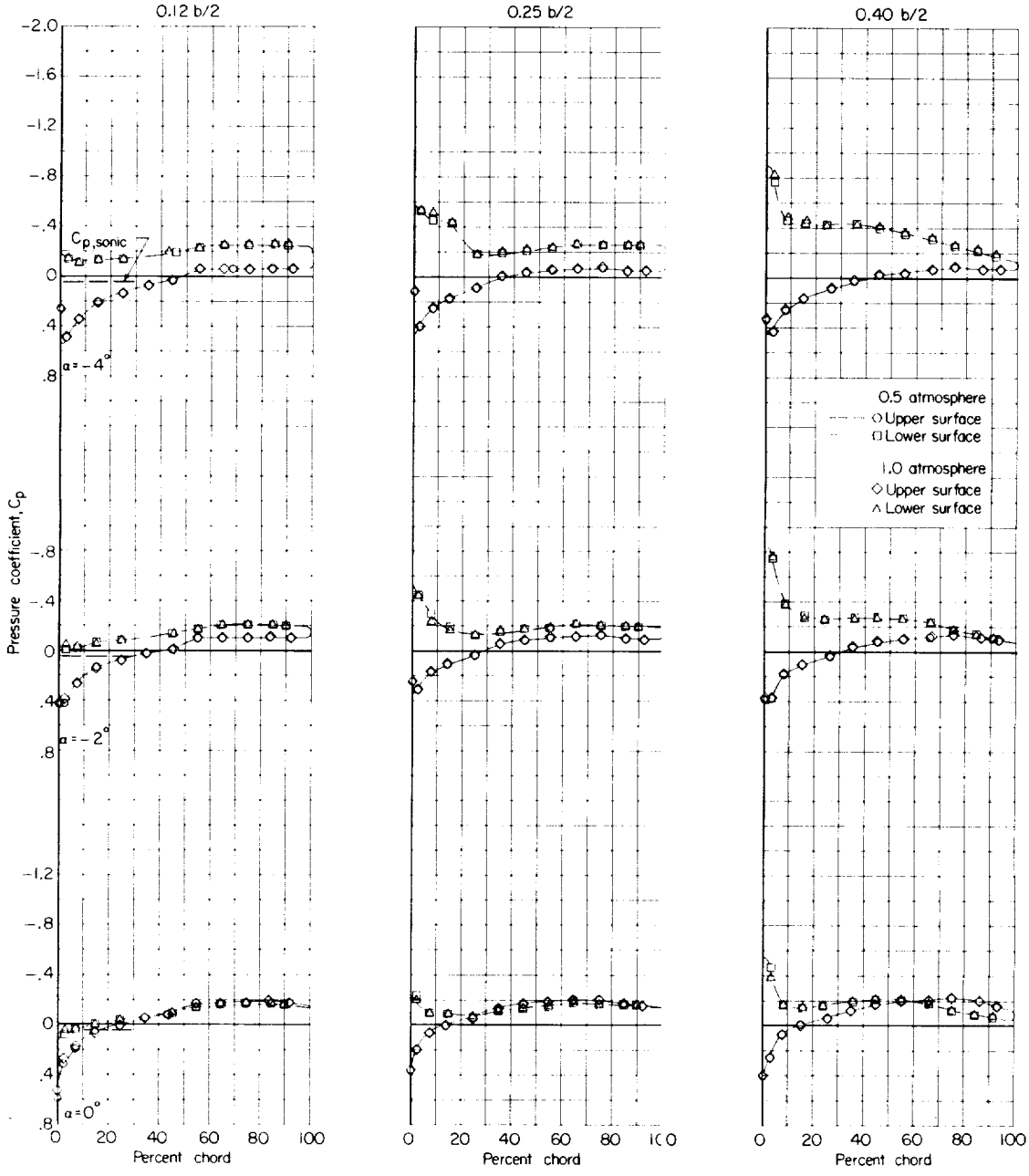
(h) M = 0.980; α = 2°, 4°, 8°, and 12°.

Figure 4.- Continued.



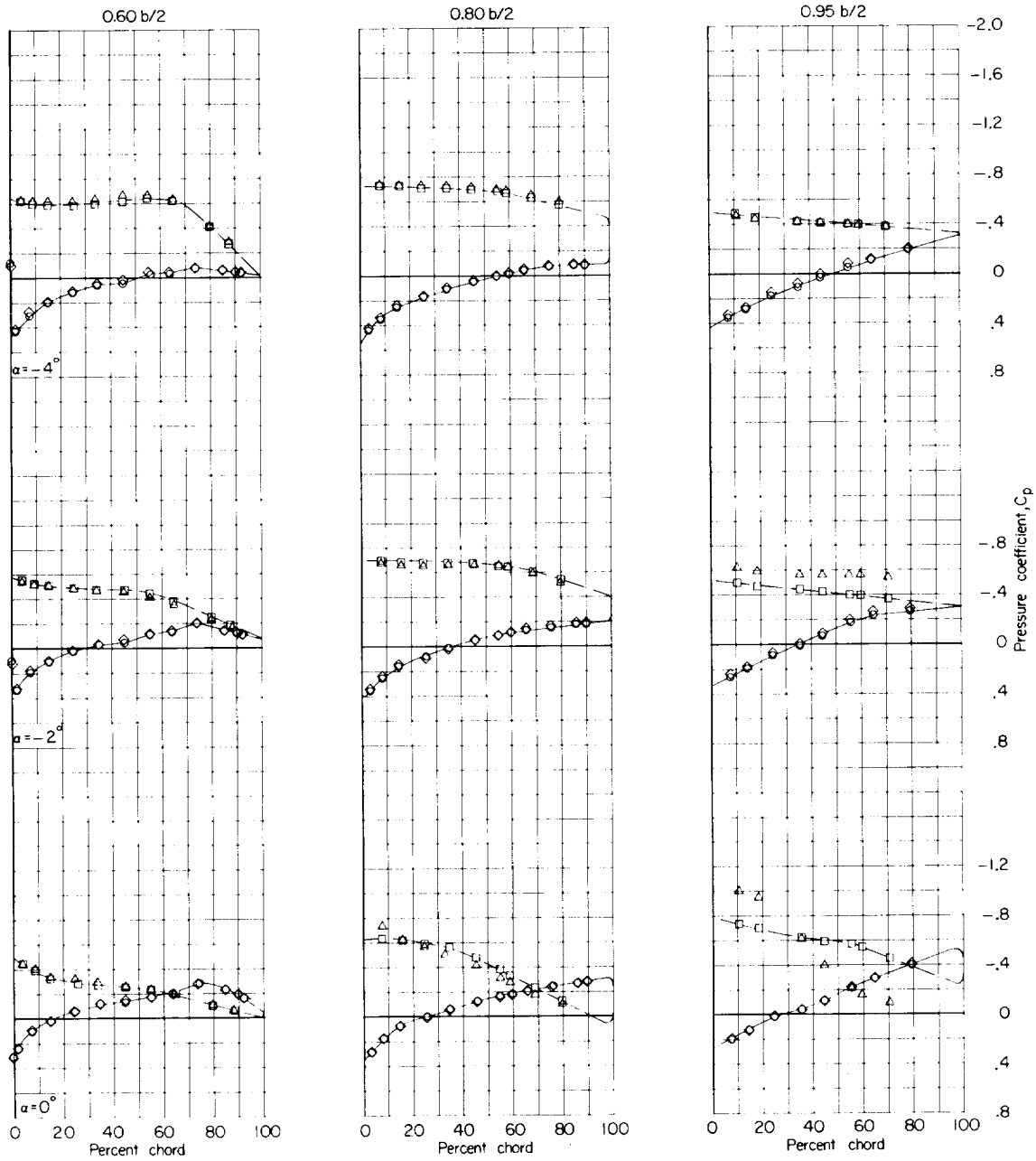
(h) Concluded.

Figure 4.- Continued.



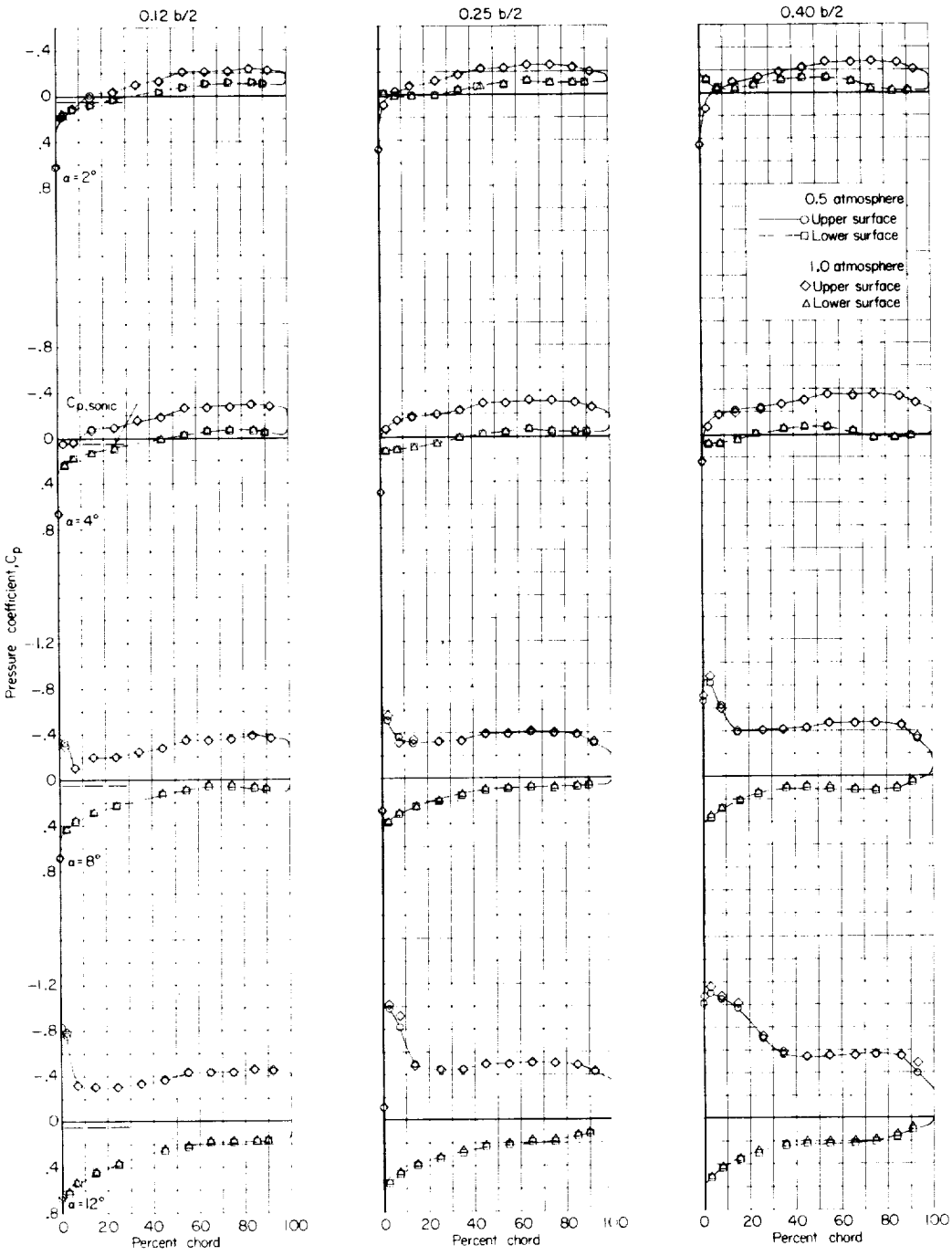
(i) M = 1.030; $\alpha = -4^{\circ}$, -2°, and 0°.

Figure 4.- Continued.



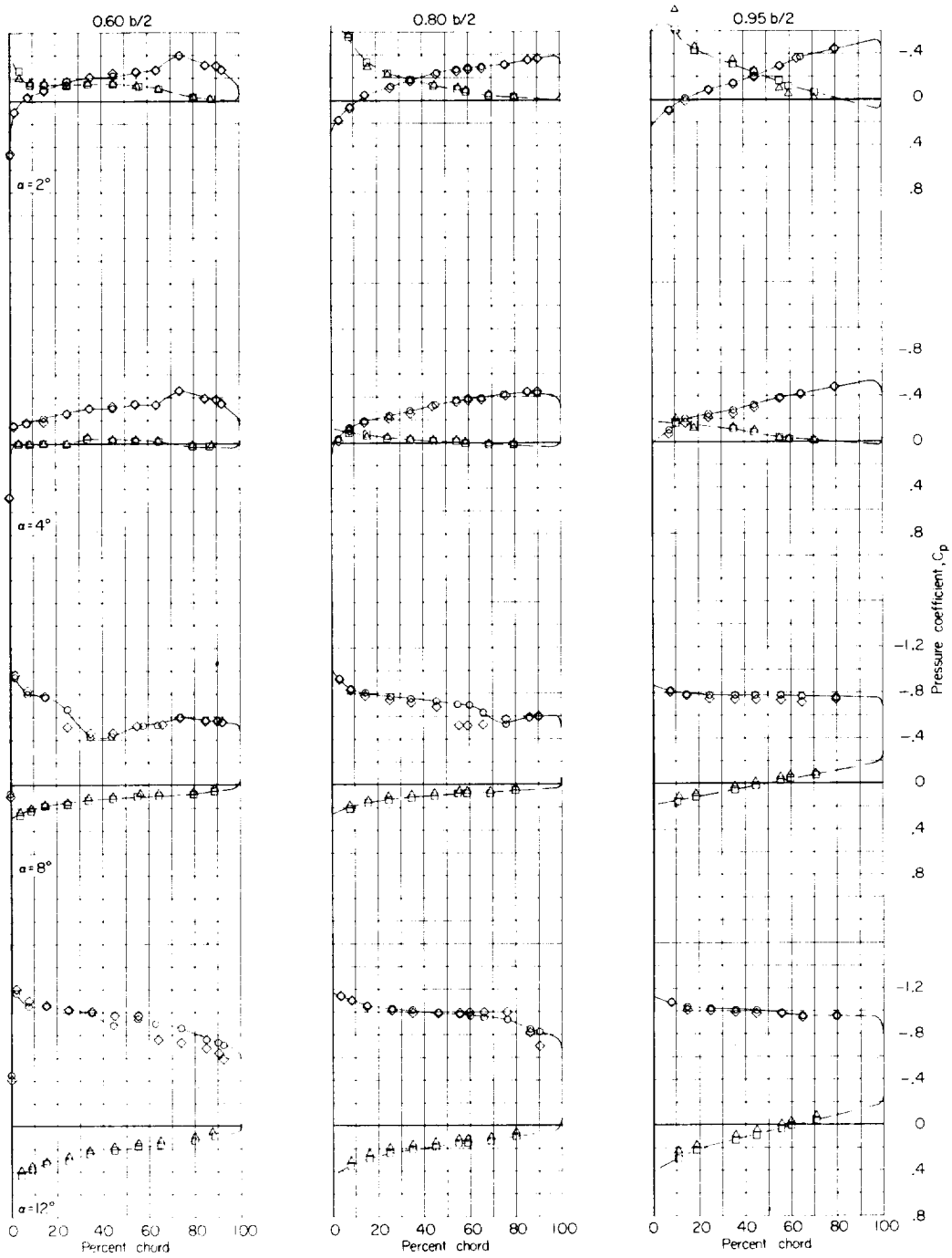
(i) Concluded.

Figure 4.- Continued.



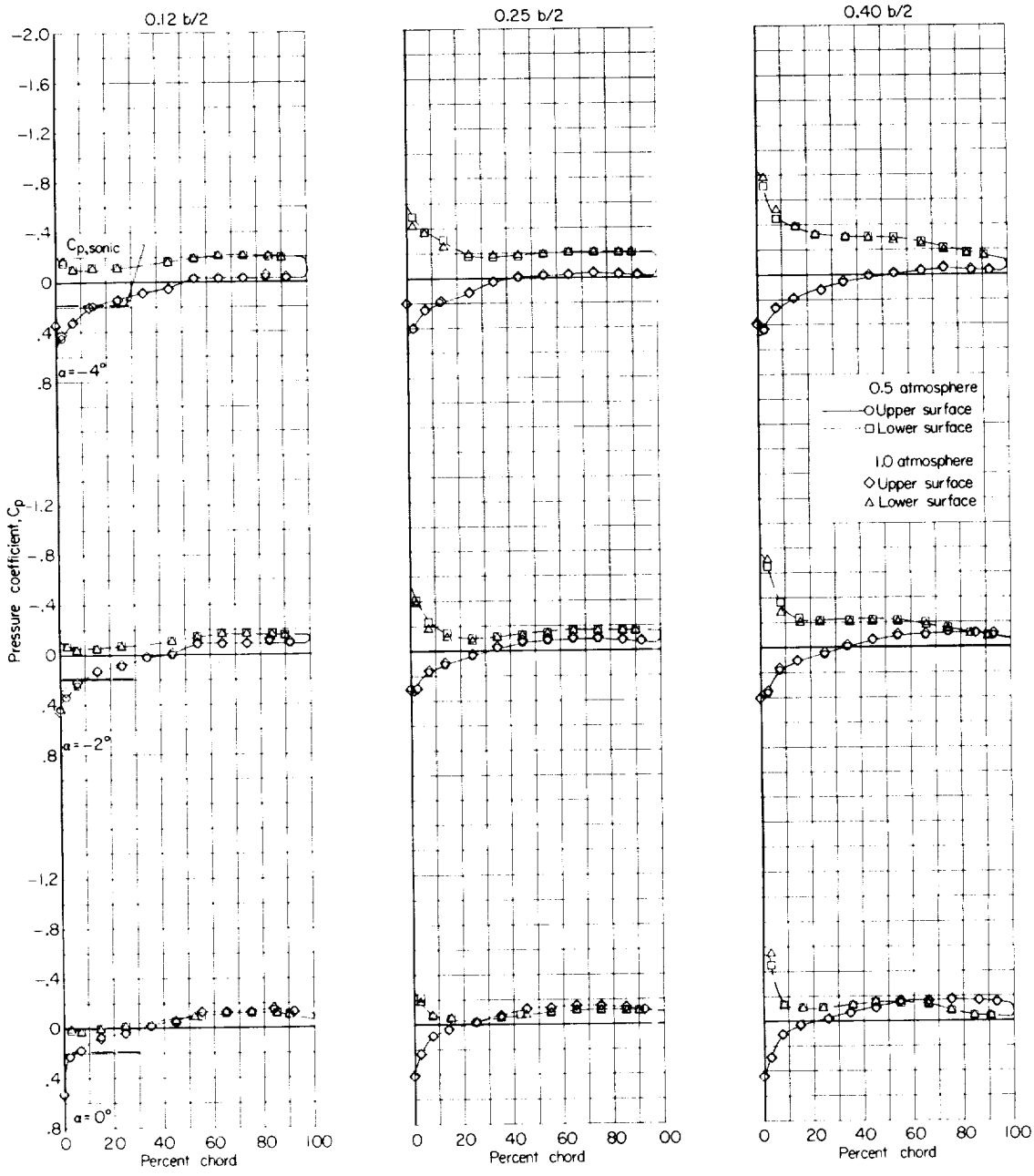
(j) M = 1.030; α = 2°, 4°, 8°, and 12°.

Figure 4.- Continued.



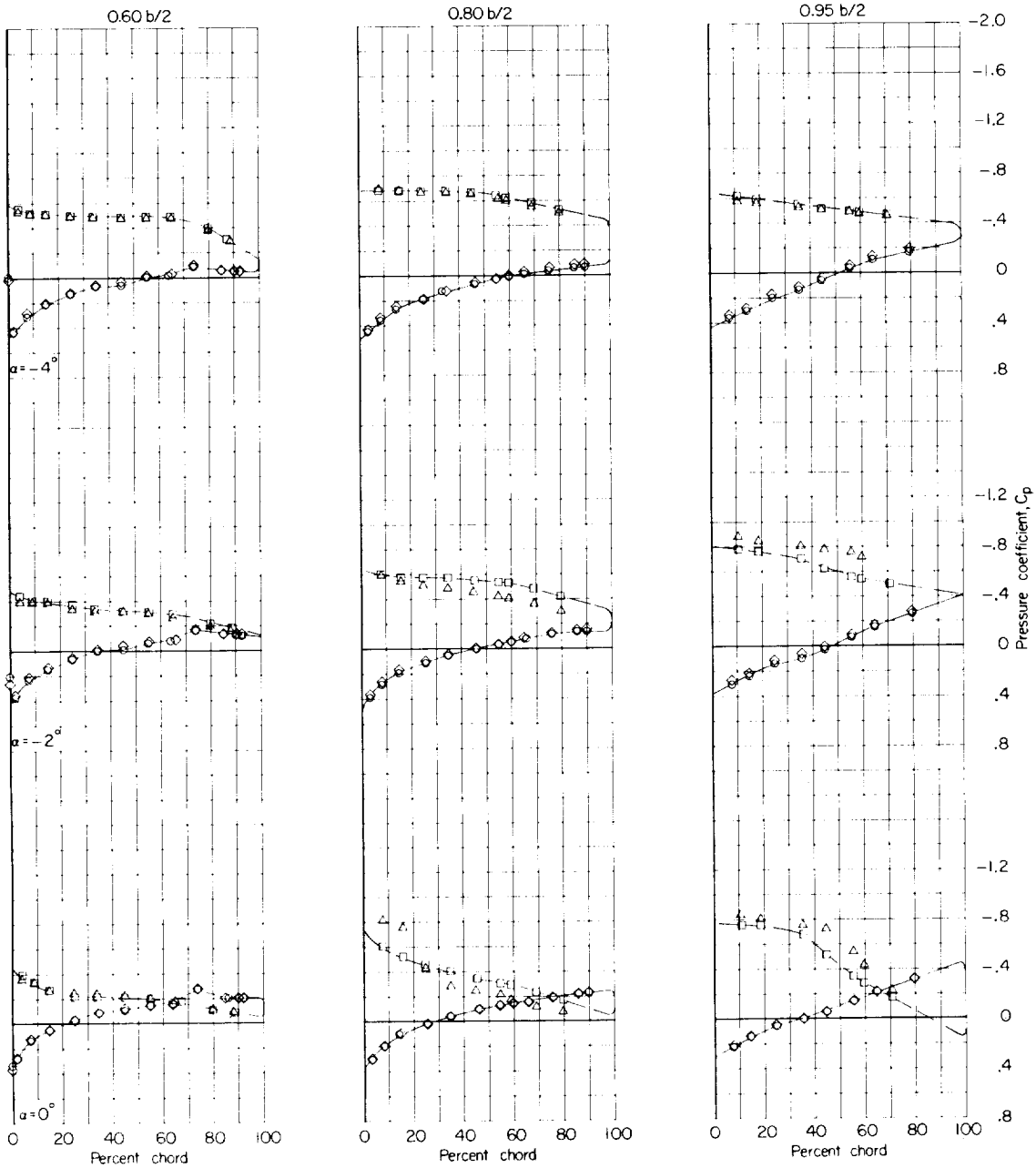
(j) Concluded.

Figure 4.- Continued.



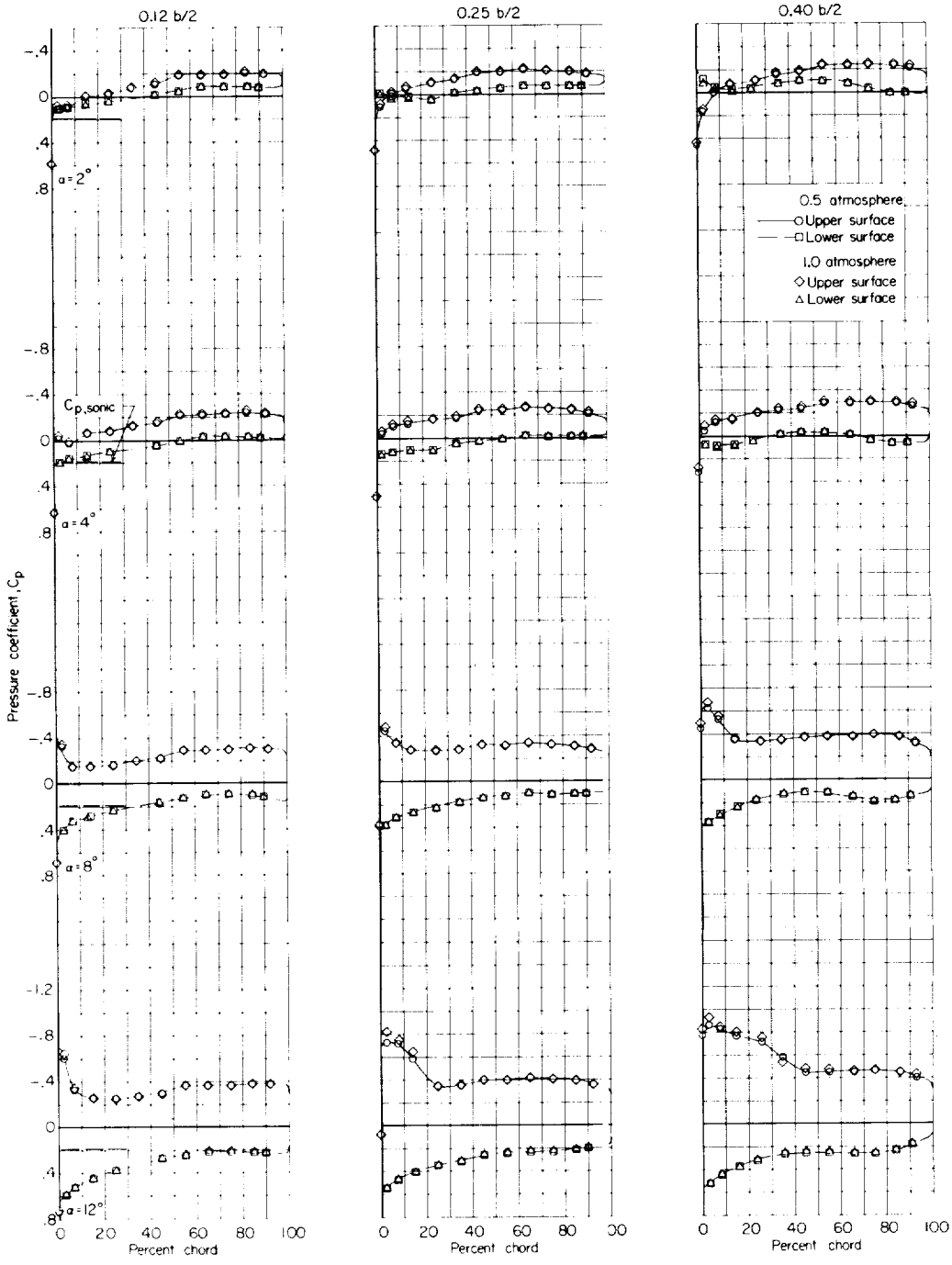
(k) M = 1.125; $\alpha = -4^{\circ}$, -2°, and 0°.

Figure 4.- Continued.



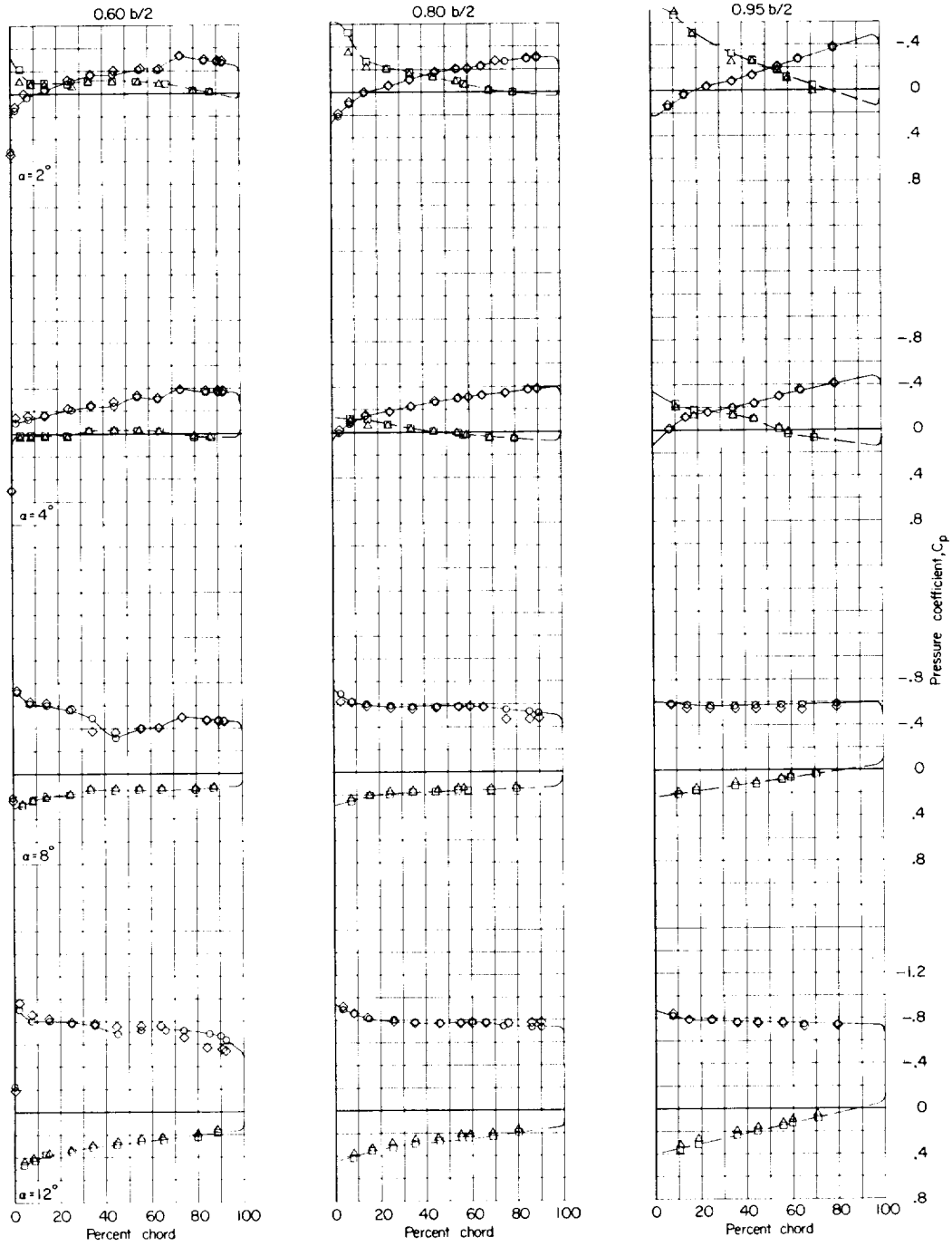
(k) Concluded.

Figure 4.- Continued.



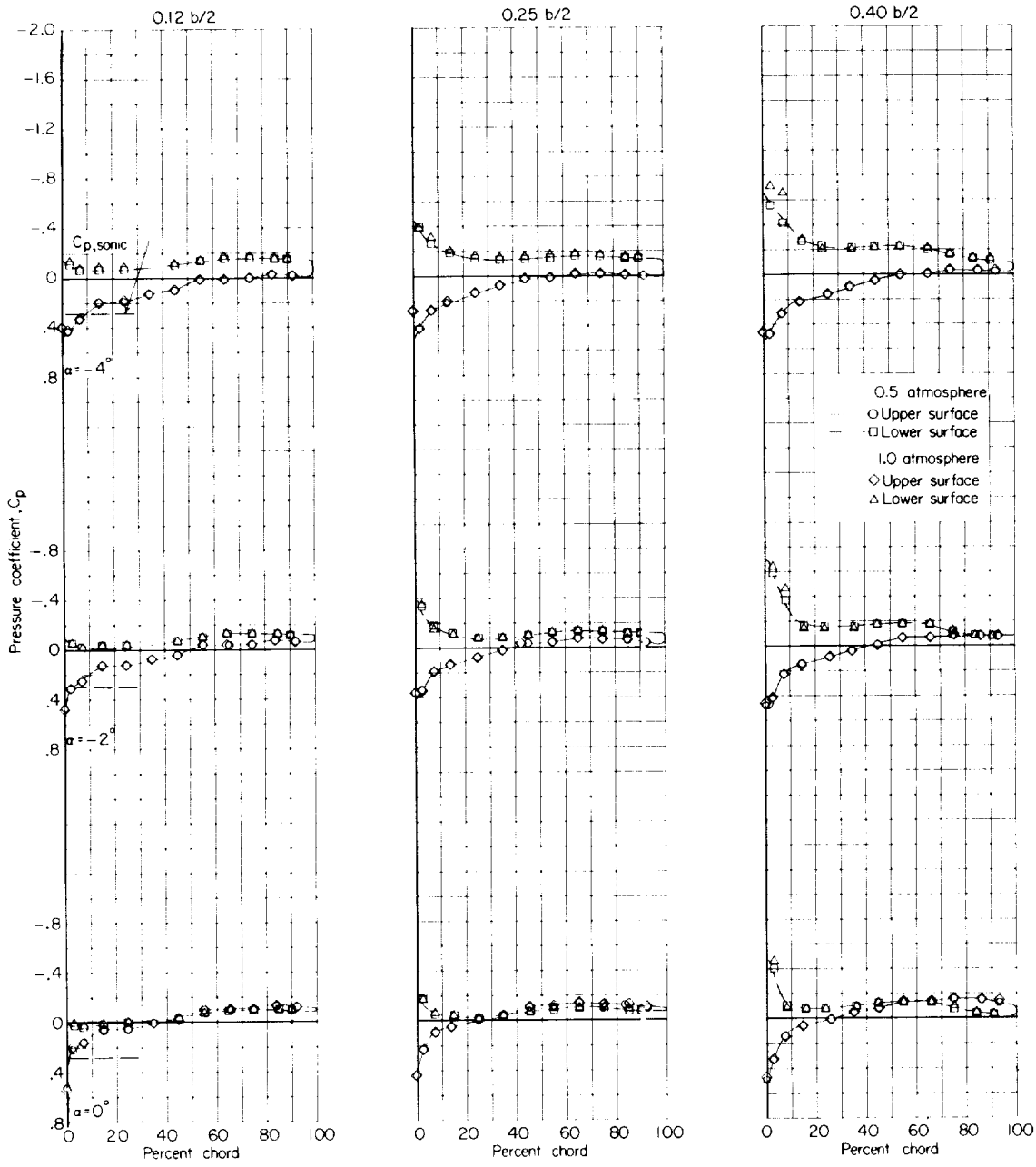
(l) M = 1.125; α = 2°, 4°, 8°, and 12°.

Figure 4.- Continued.



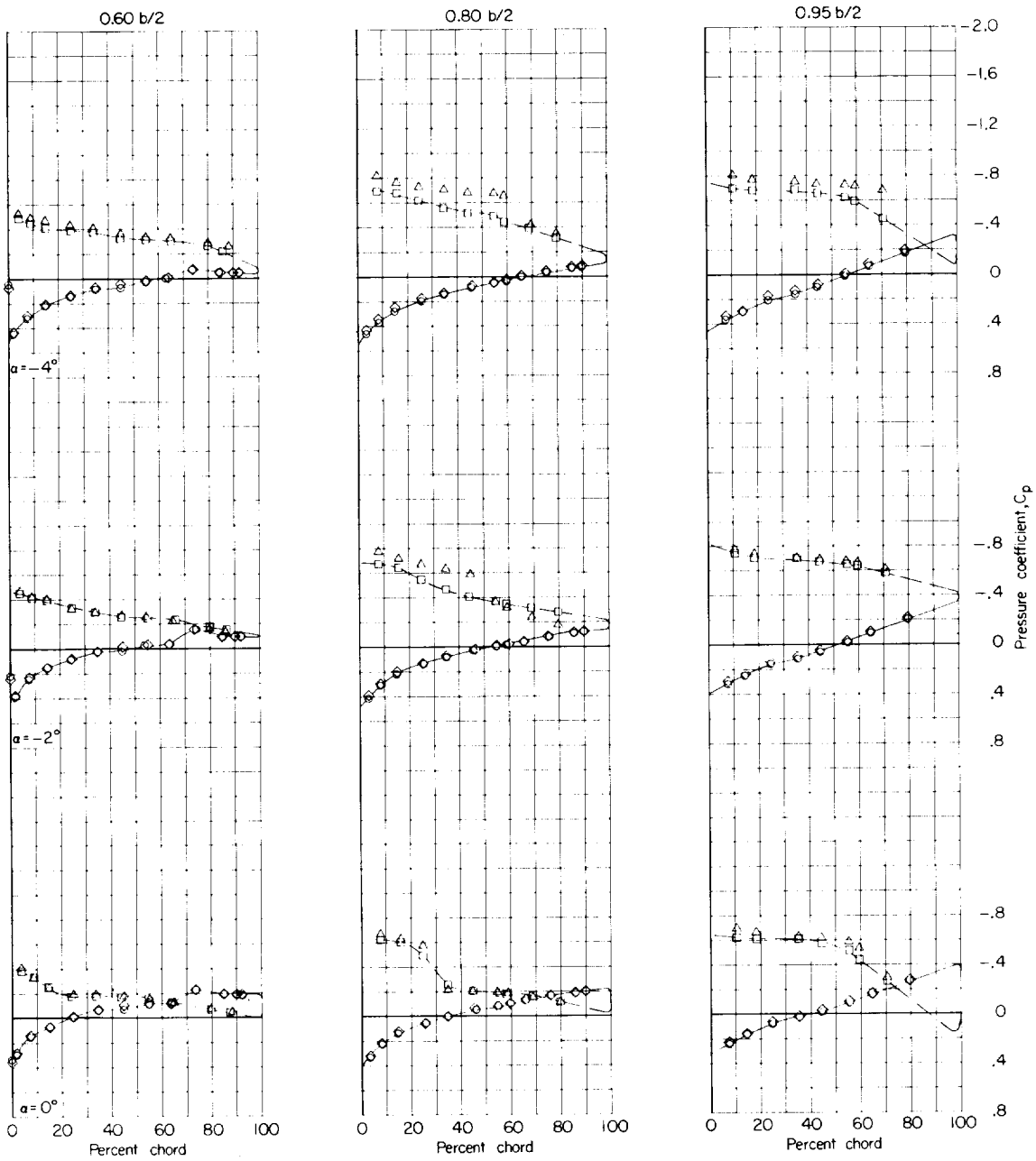
(l) Concluded.

Figure 4.- Continued.



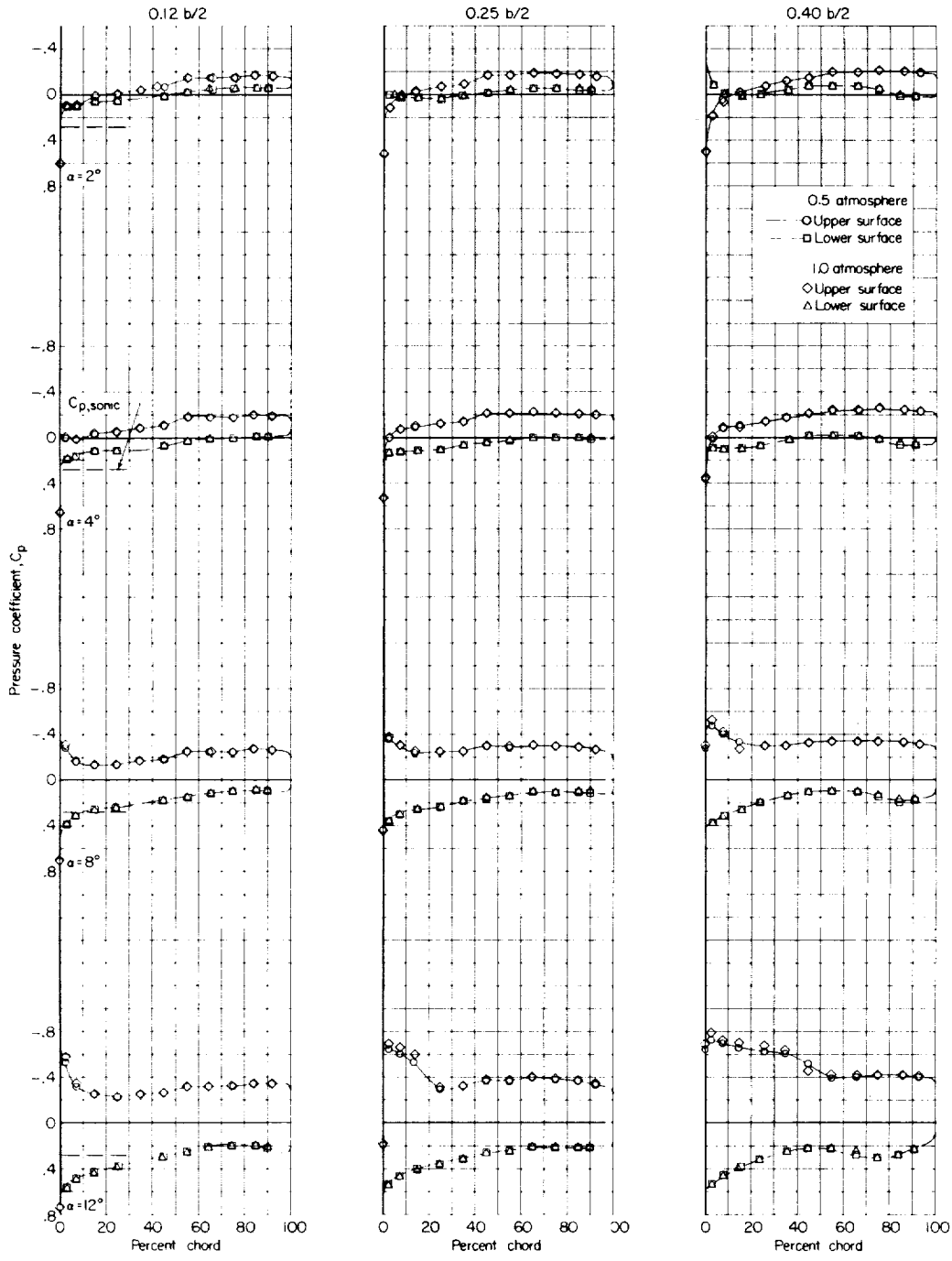
(m) M = 1.200; α = -4°, -2°, and 0°.

Figure 4.- Continued.



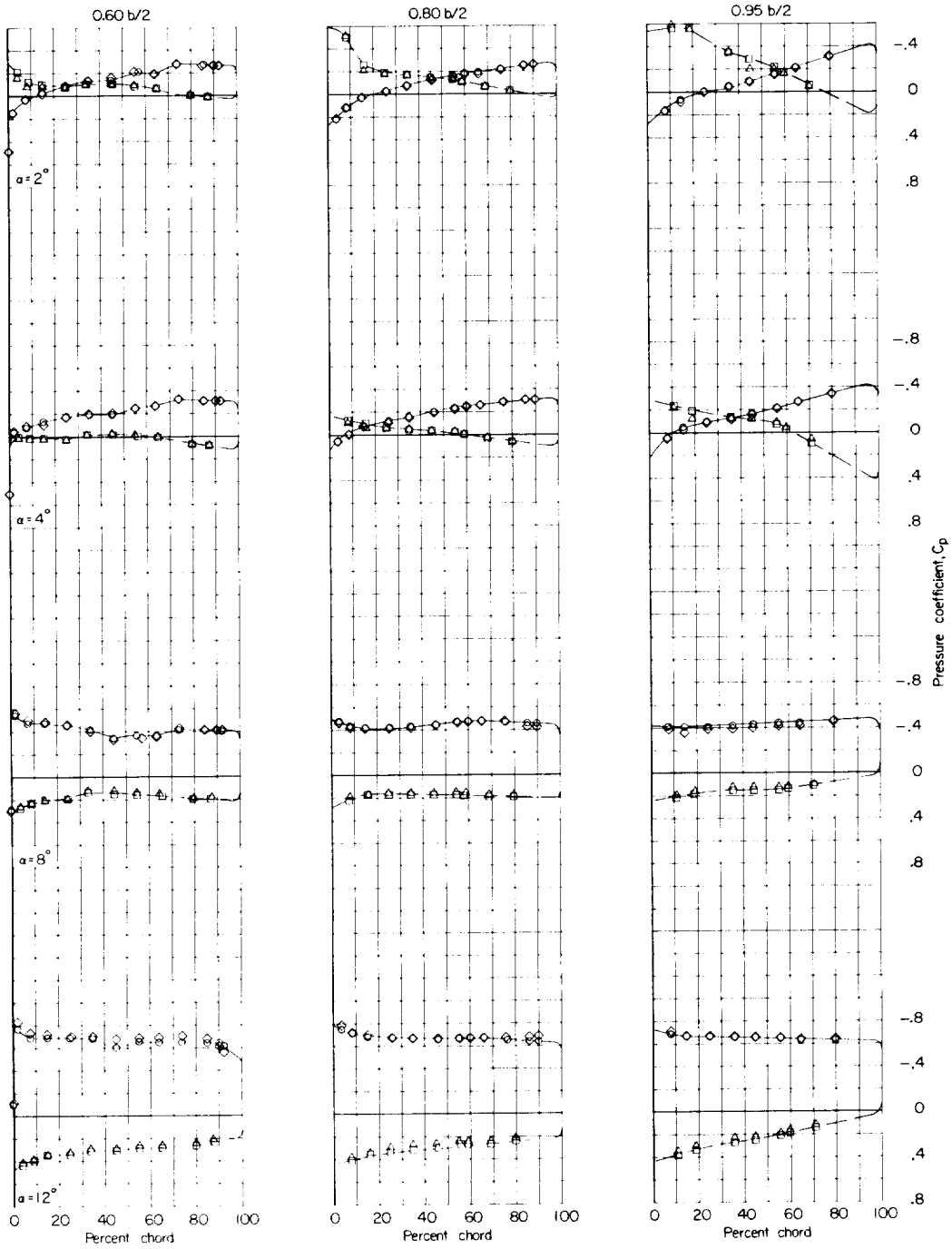
(m) Concluded.

Figure 4.- Continued.



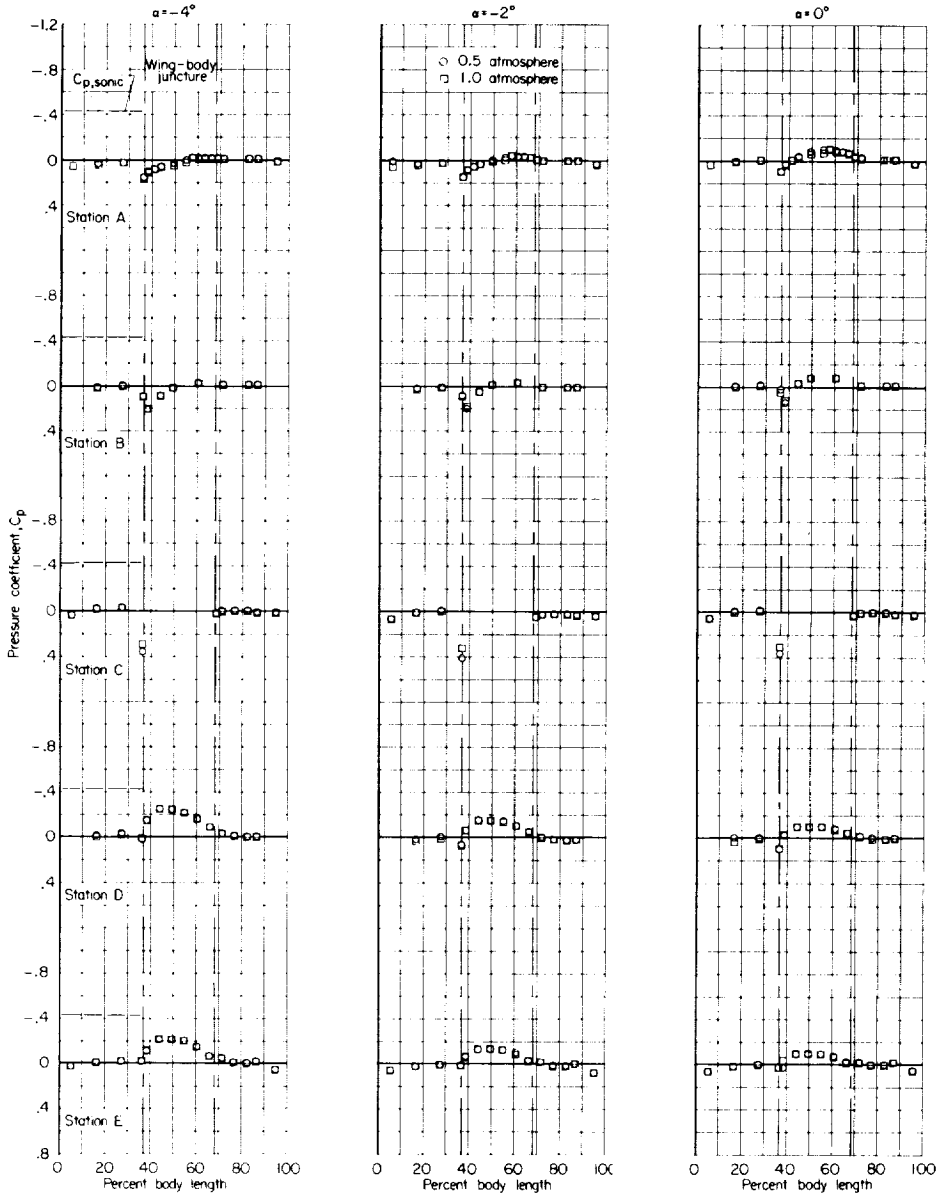
(n) M = 1.200; $\alpha = 2^{\circ}$, 4°, 8°, and 12°.

Figure 4.- Continued.



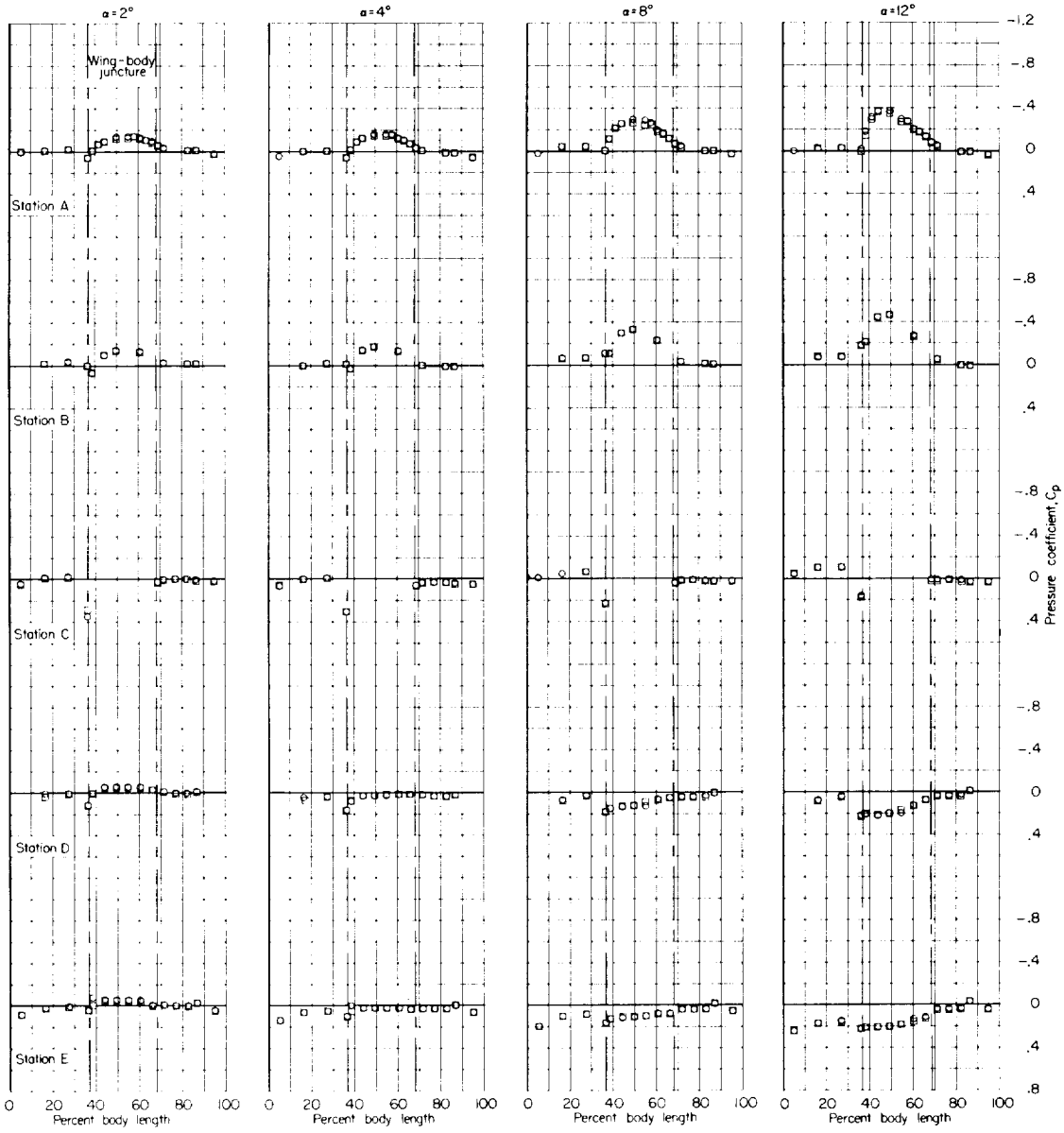
(n) Concluded.

Figure 4.- Concluded.



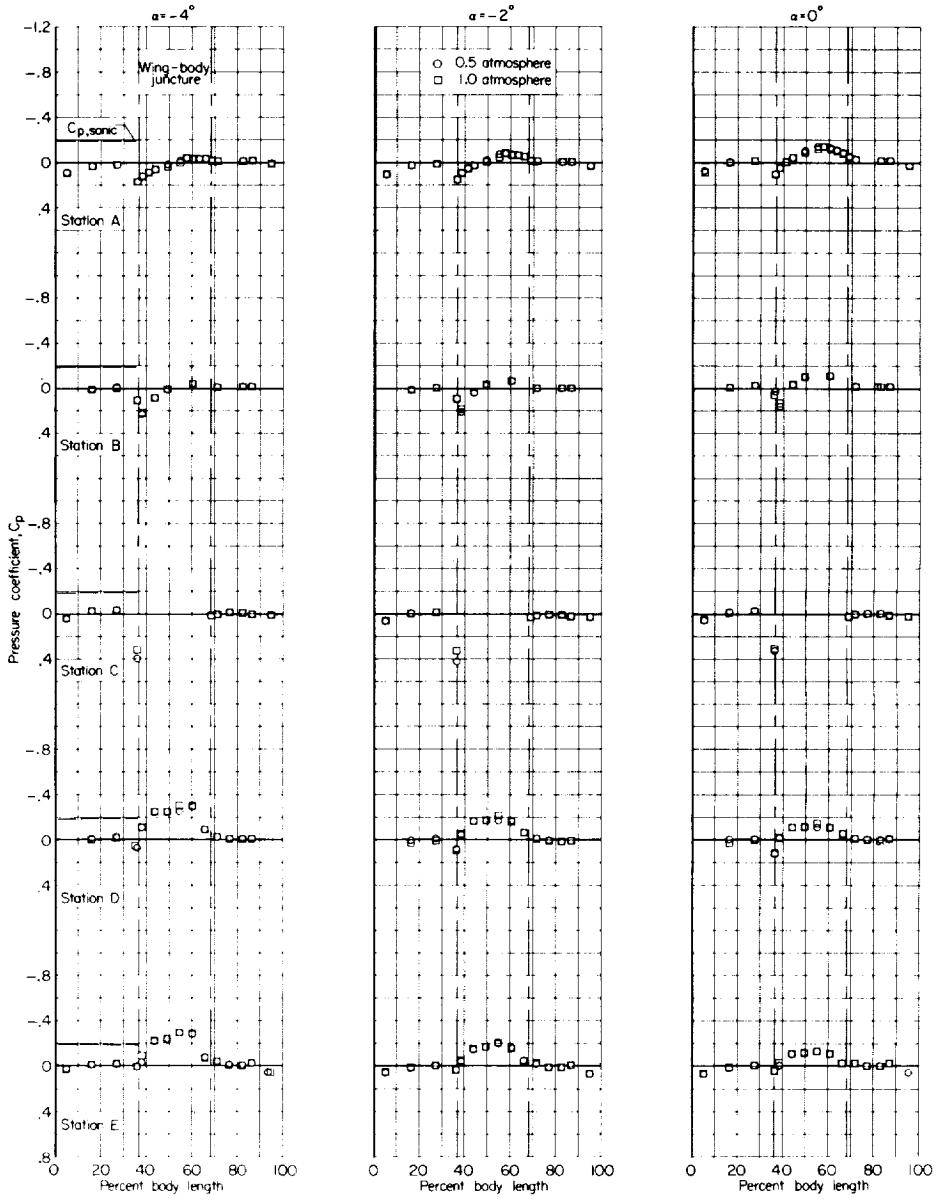
(a) M = 0.800.

Figure 5.- Pressure measurements on the body in the presence of the wing.



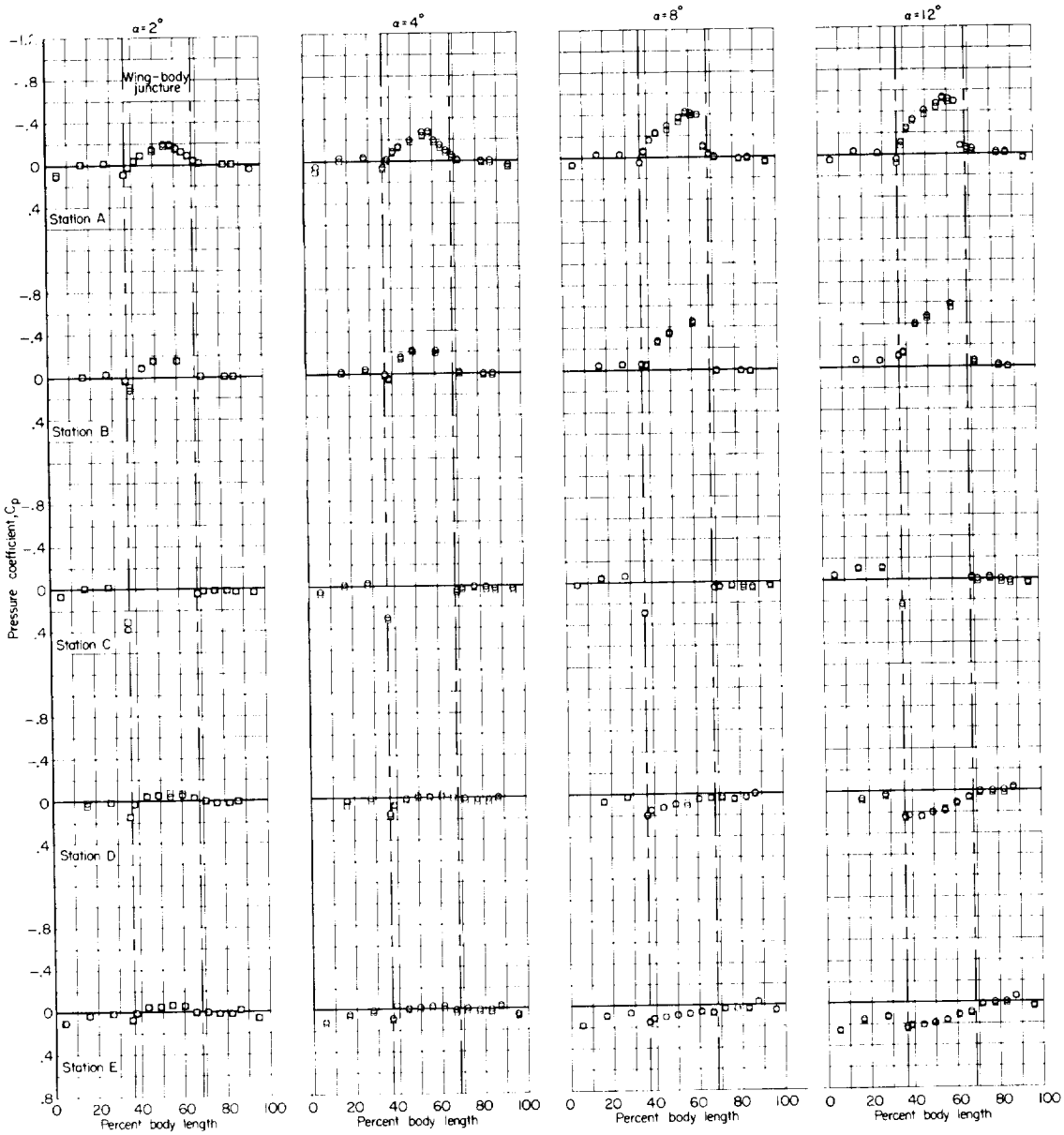
(a) Concluded.

Figure 5.- Continued.



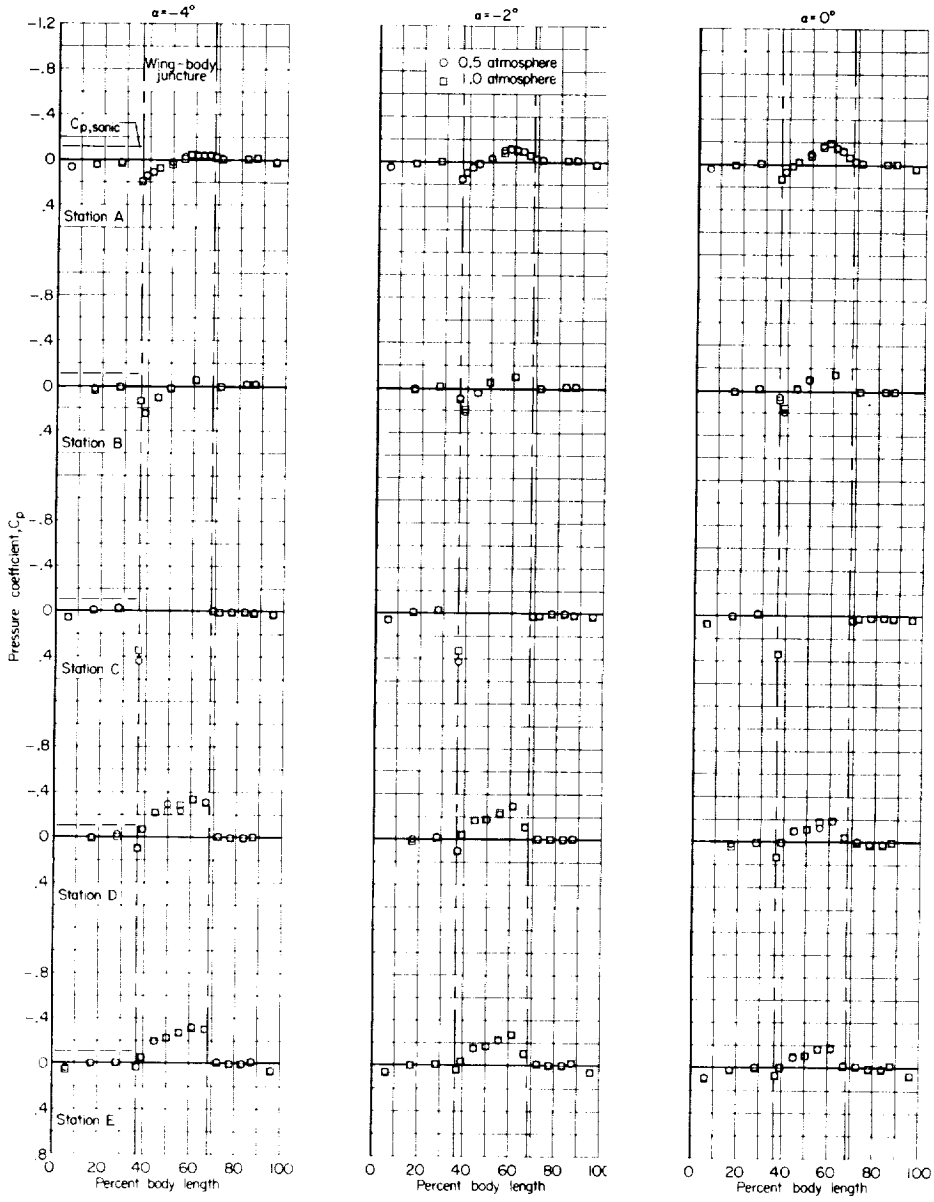
(b) M = 0.900.

Figure 5.- Continued.



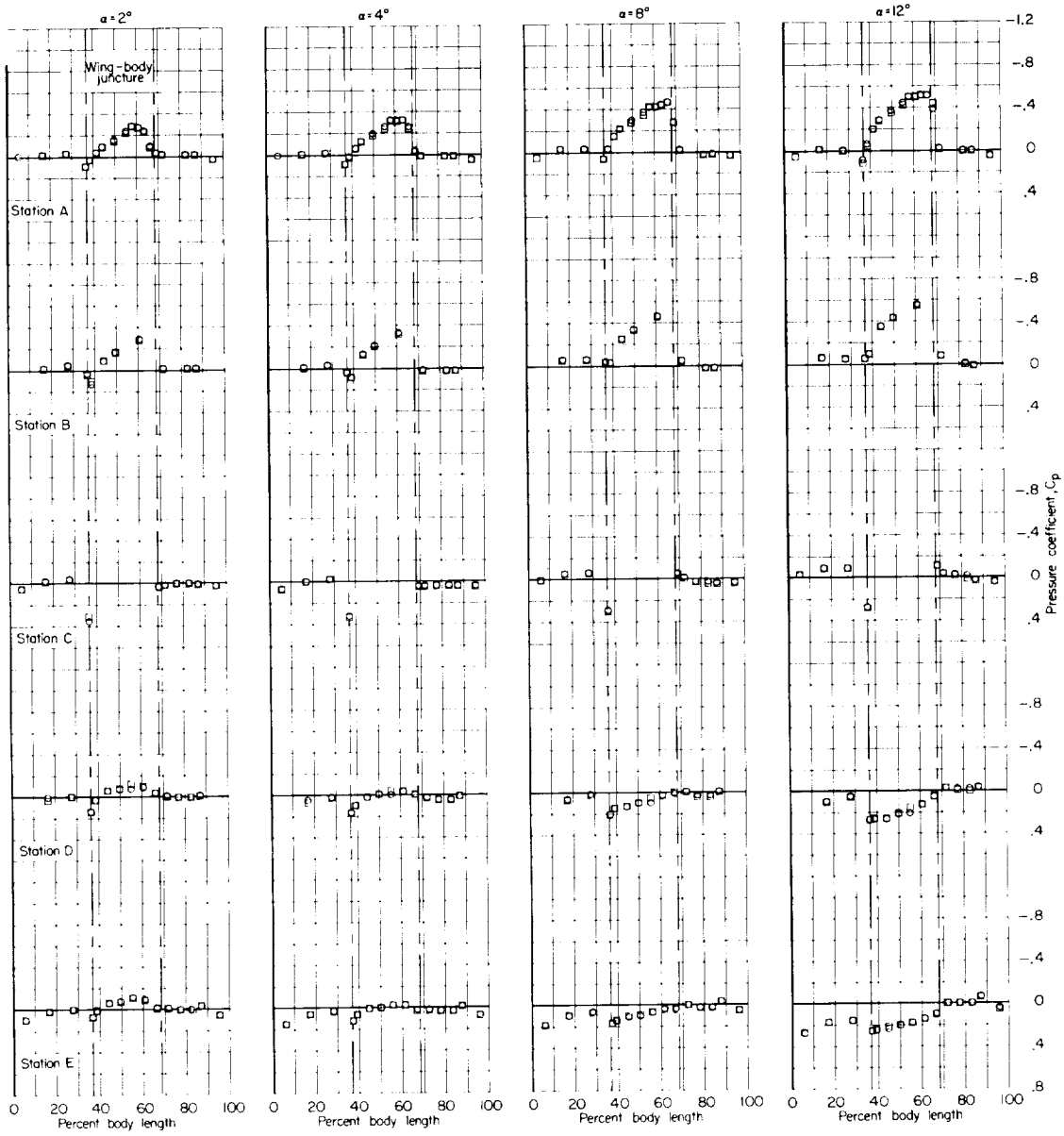
(b) Concluded.

Figure 5.- Continued.



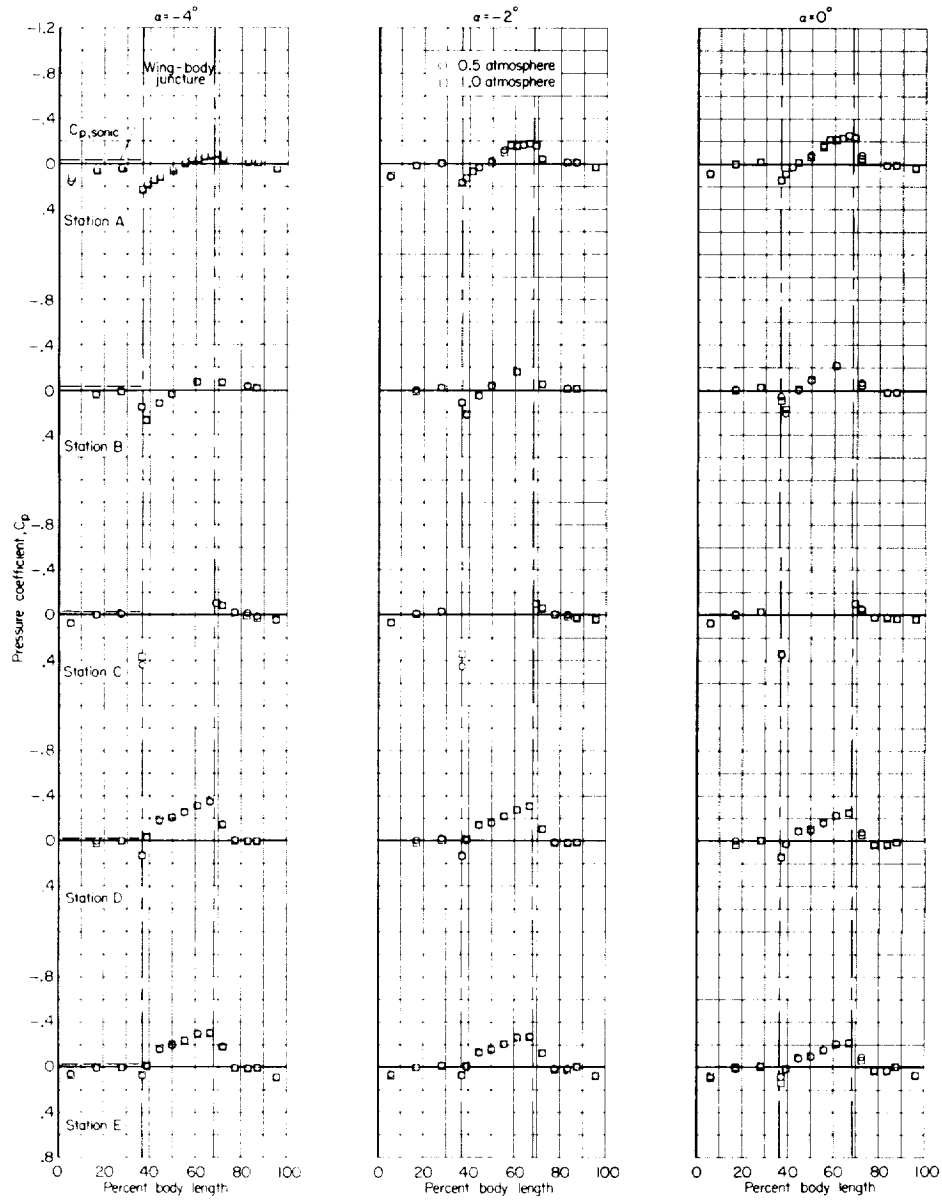
(c) M = 0.940.

Figure 5.- Continued.



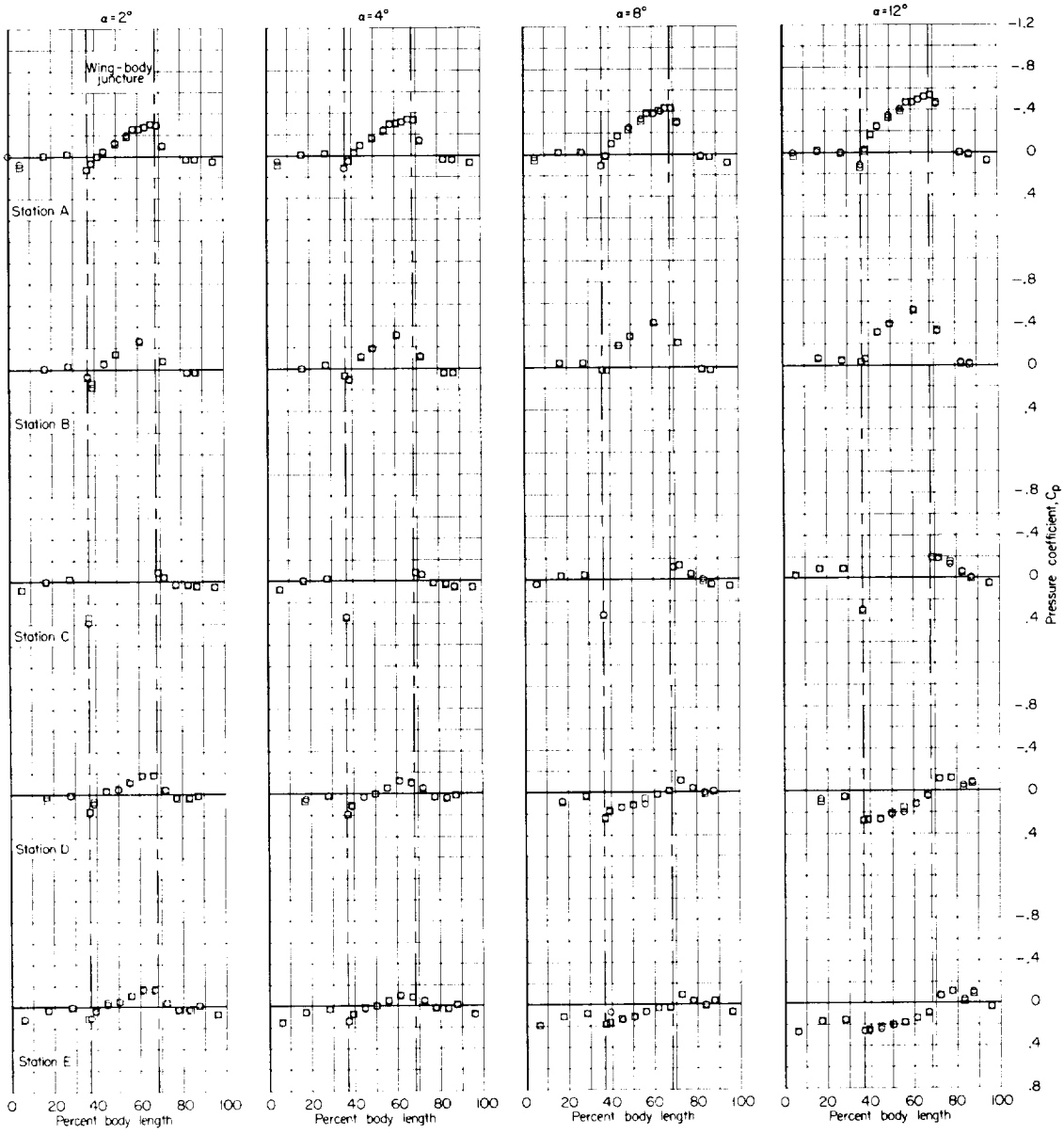
(c) Concluded.

Figure 5.- Continued.



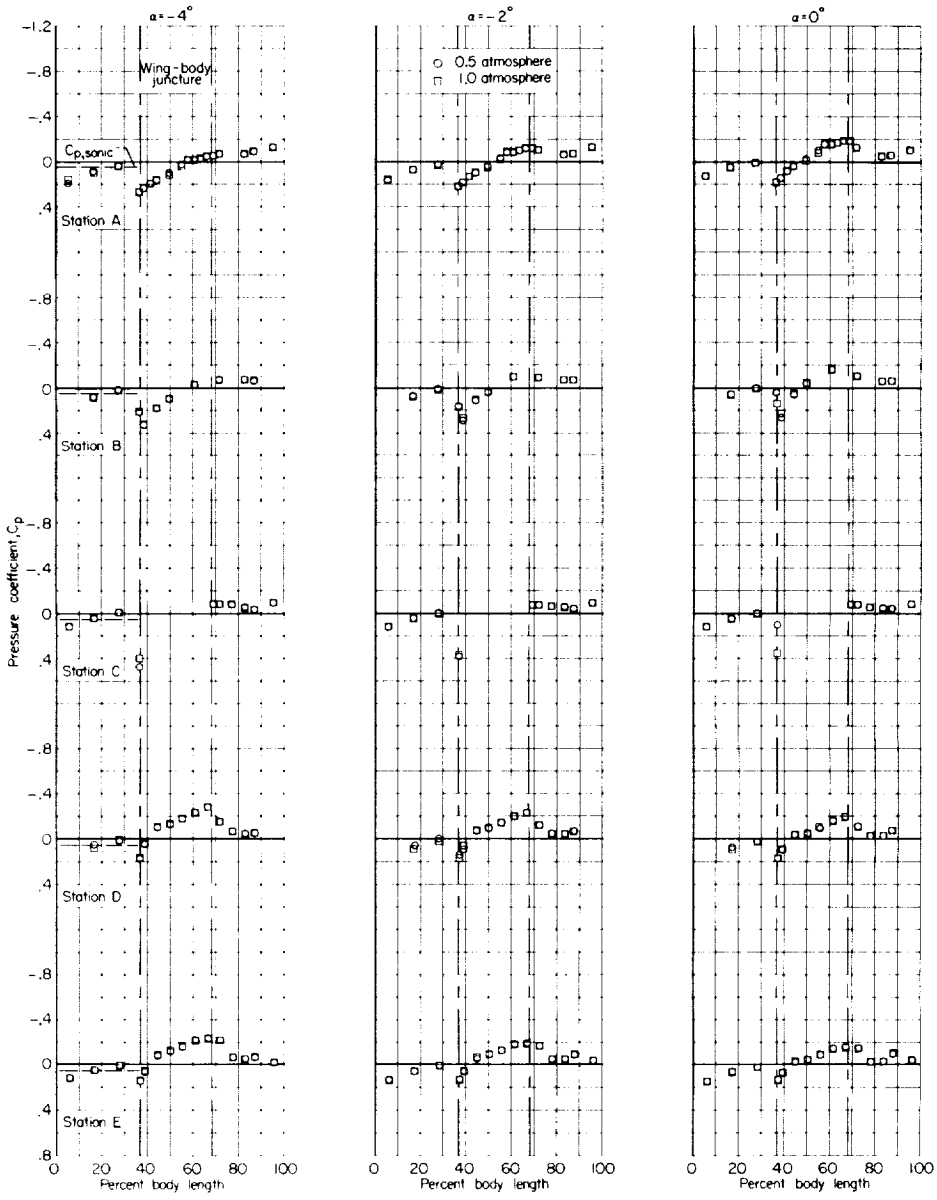
(d) M = 0.980.

Figure 5.- Continued.



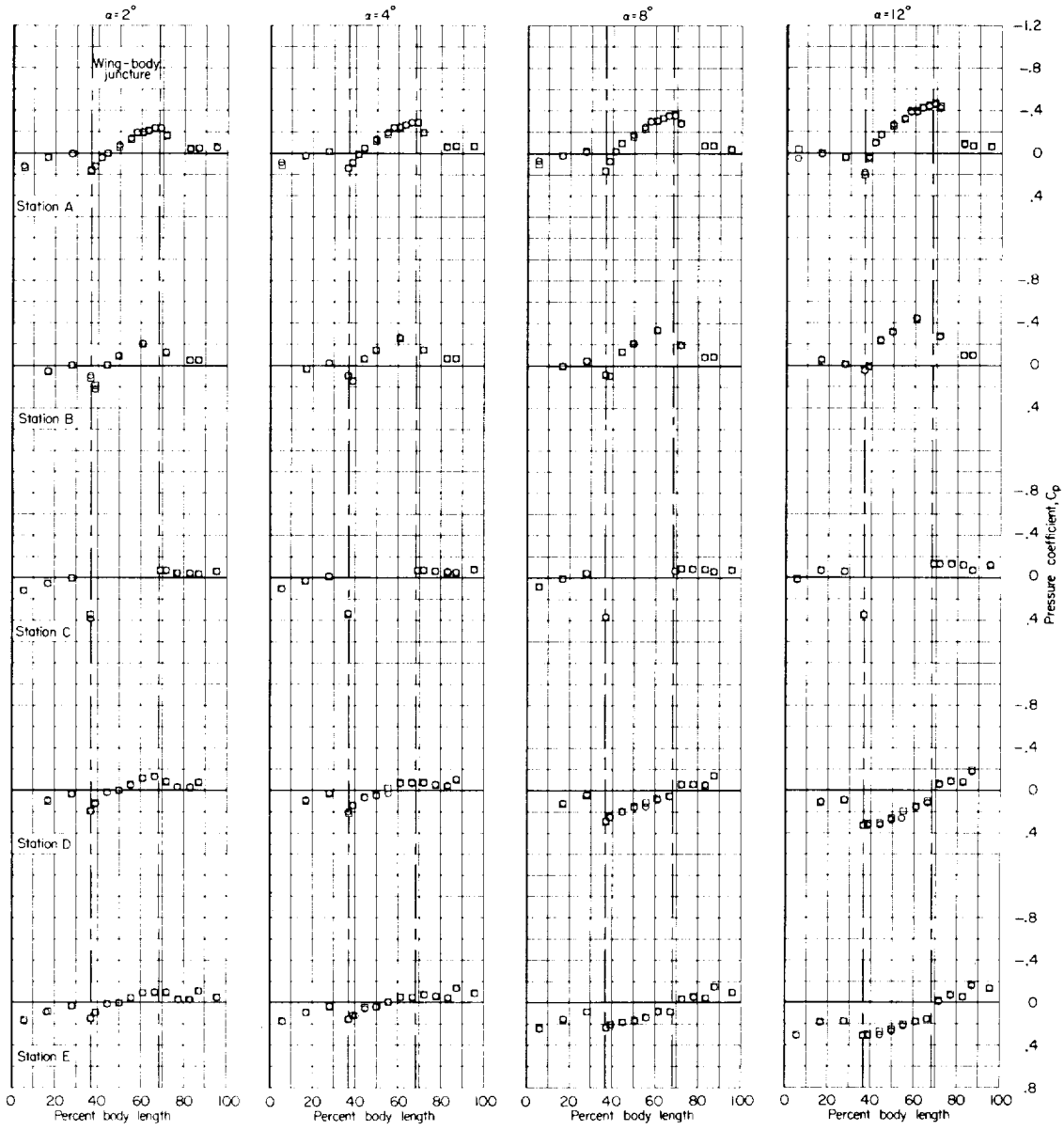
(d) Concluded.

Figure 5.- Continued.



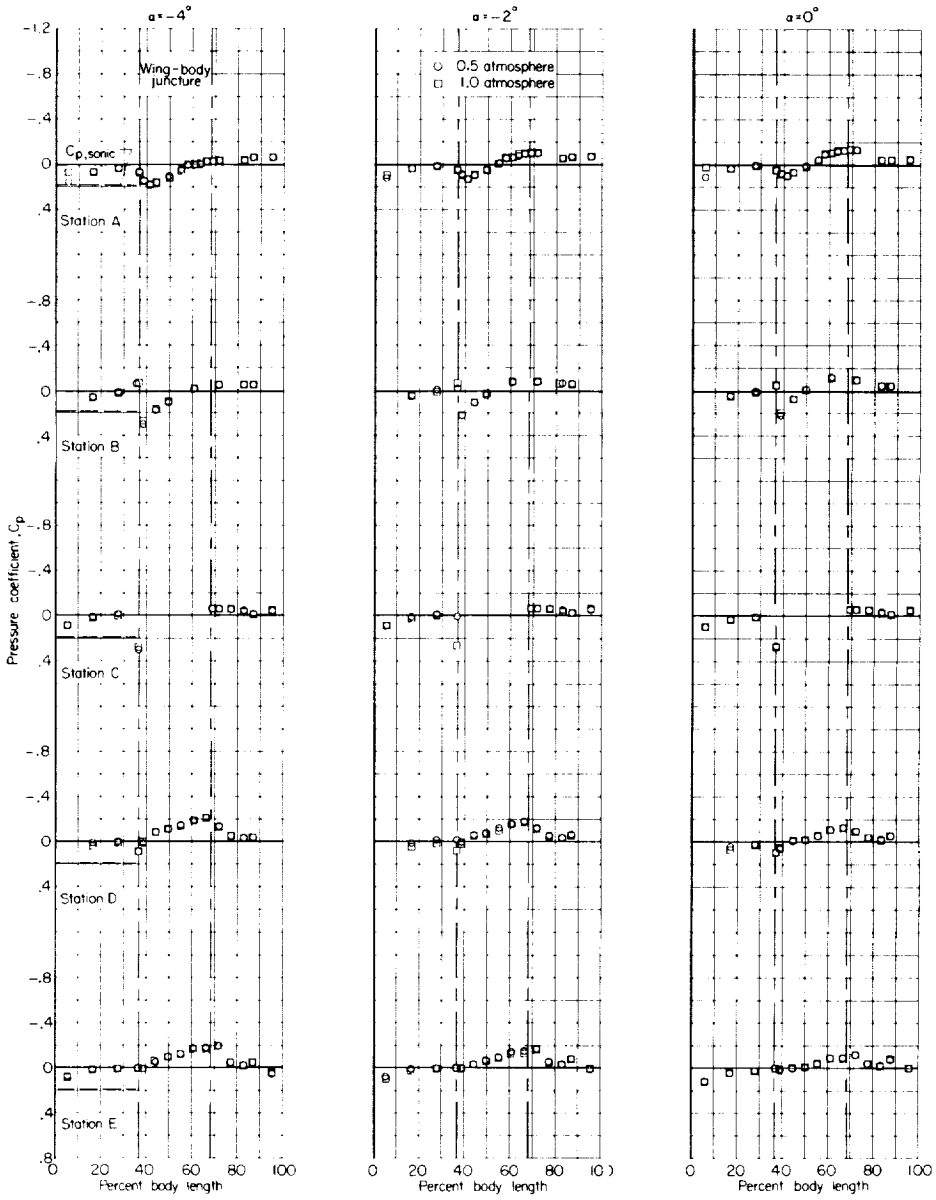
(e) M = 1.030.

Figure 5.- Continued.



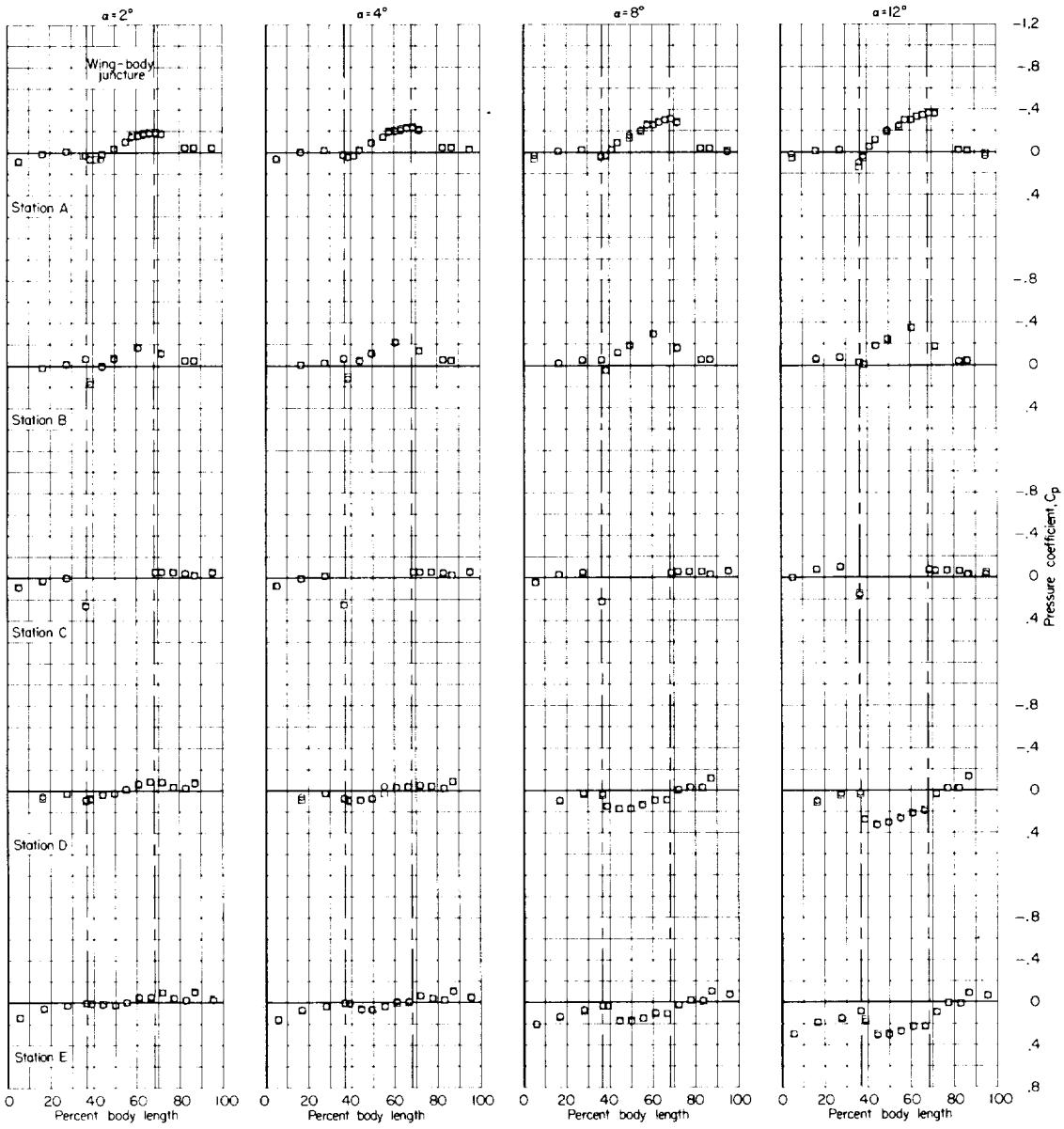
(e) Concluded.

Figure 5.- Continued.



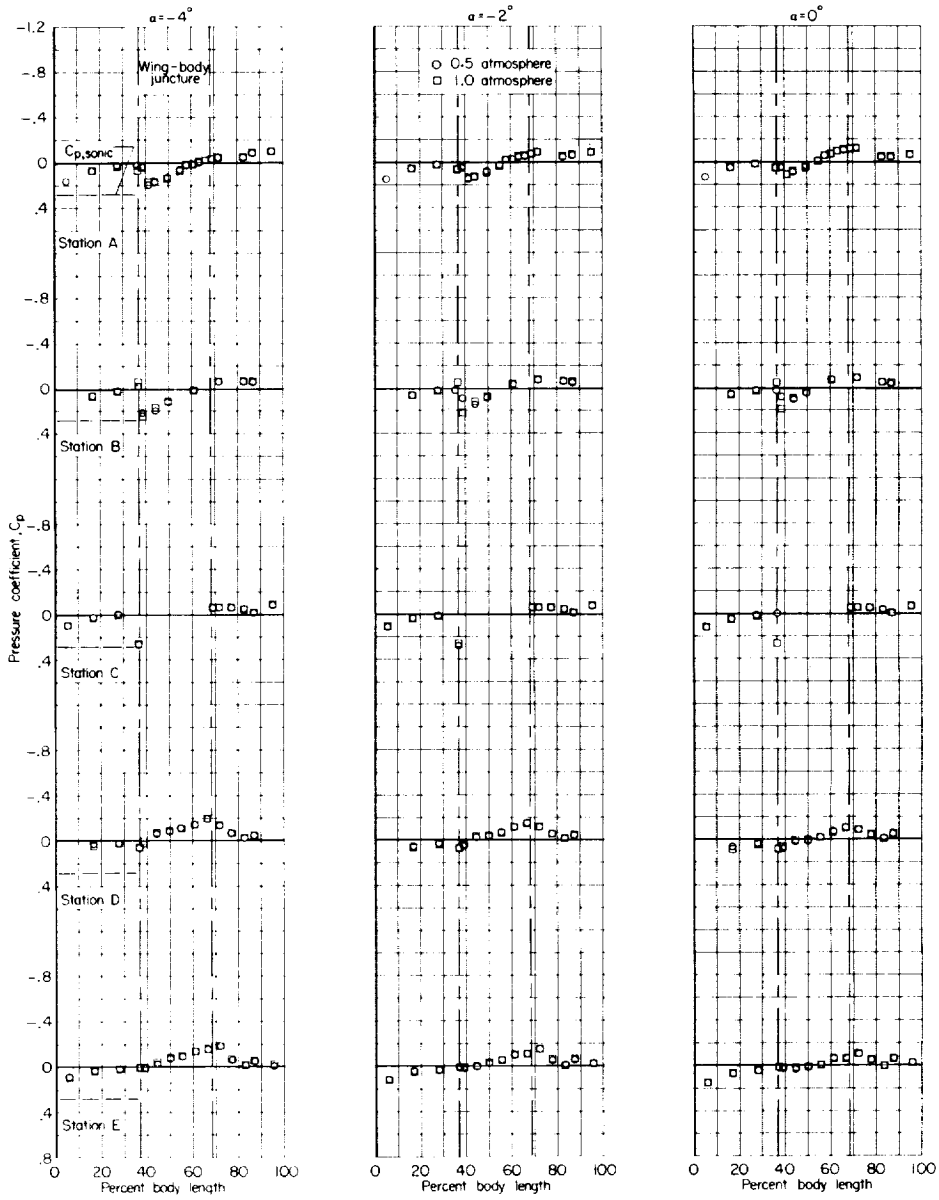
(f) M = 1.125.

Figure 5.- Continued.



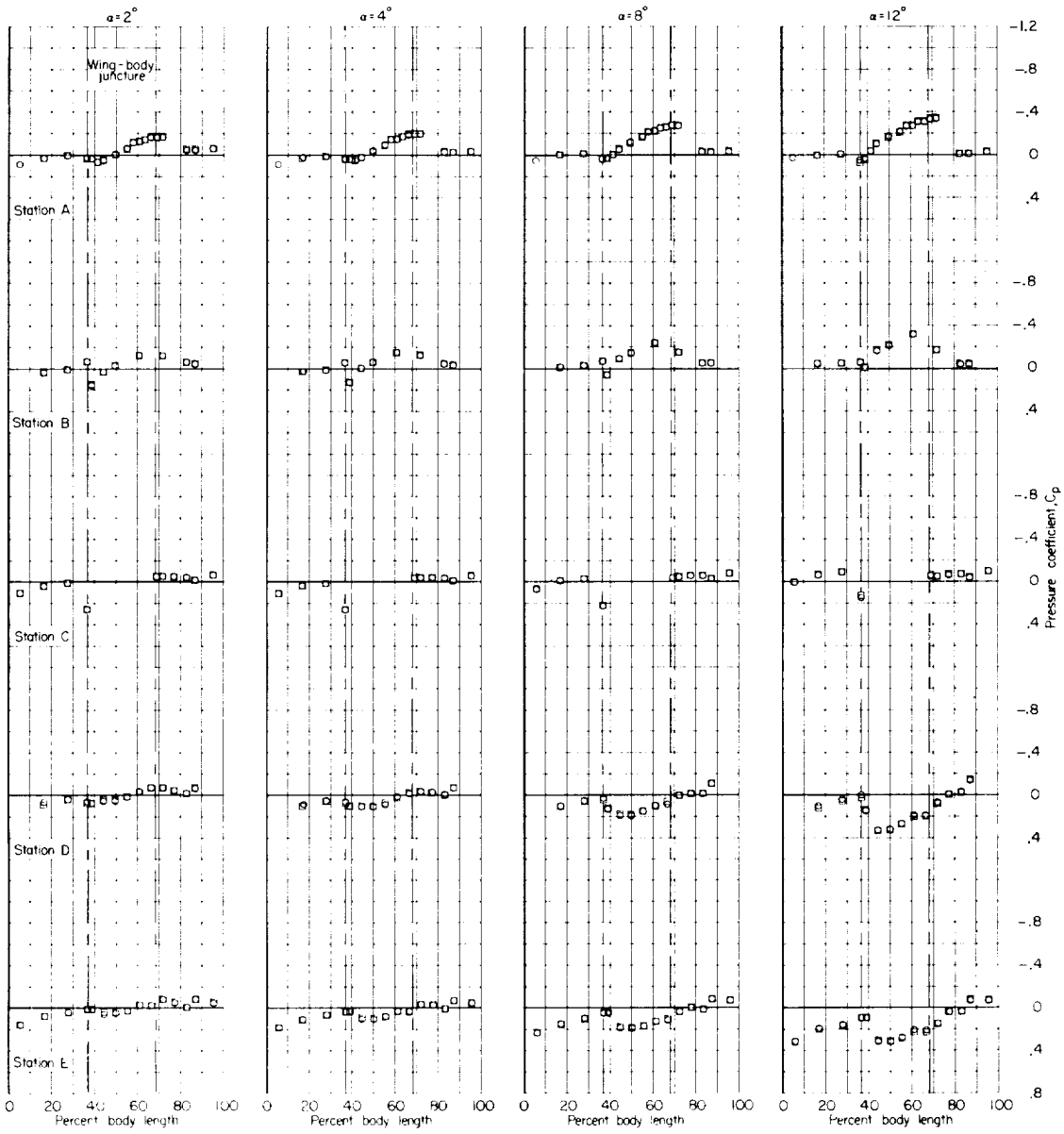
(f) Concluded.

Figure 5.- Continued.



(g) M = 1.200.

Figure 5.- Continued.



(g) Concluded.

Figure 5.- Concluded.